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AUGUST 27 1960

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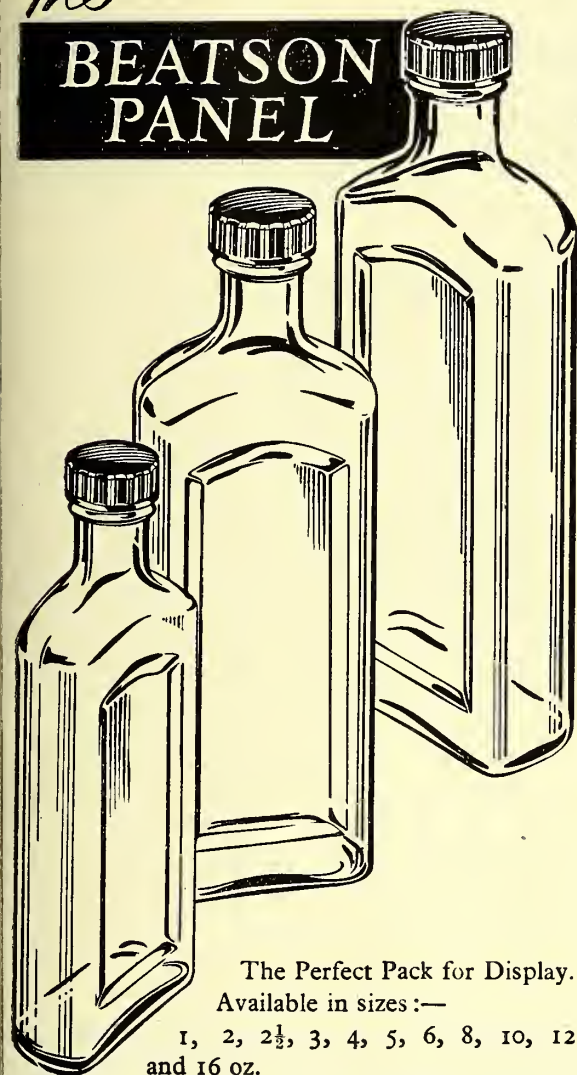
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# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and  
all sections of the drug, pharmaceutical and  
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland  
and the Pharmaceutical Society of Northern Ireland*

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No. 4202

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# The CHEMIST AND DRUGGIST

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## Oxygen Equipment LIST OF CONTRACTOR-SUPPLIERS

THE Ministry of Health has asked Executive Councils to draw up new lists of contractors willing to supply oxygen-therapy equipment.

After consultation with the Central N.H.S. (Chemist Contractors) Committee, the Ministry has agreed that a questionnaire should be sent to each chemist contractor on the earlier provisional list, and to other chemists who have notified that they wish to undertake the supply of oxygen and equipment. The questionnaire is also being sent, on request, to any other chemist. Contractors are being included in the list if they satisfy the local Executive Council, after consultation with the Pharmaceutical Committee, that they are able to supply, with reasonable promptness, equipment that satisfies the Drug Tariff specifications.

Where replies from a contractor show that an order for the loan of a set would be accepted, but that the stocking and supply of oxygen for replacement would in some circumstances be left to another contractor, the Ministry is suggesting that the original contractor should not be included in the list unless he undertakes to provide the full service. The new lists, which are to be revised annually, are to be distributed to general medical practitioners and their assistants, Executive Councils are being asked to review regularly, in consultation with the Local Medical and Pharmaceutical Committees, the arrangements for emergency supply at night, and to keep doctors advised of the position. The Ministry considers that it should not be necessary for doctors to make requests to manufacturers' depôts for the supply of oxygen or equipment. Where a contractor keeps a stock of oxygen cylinders, he may on occasion have to make an urgent demand to the manufacturers for additional supplies to be specially delivered. The Ministry looks upon such occasions as exceptional circumstances justifying the payment of reasonable expenses and a reasonable out-of-pocket expense. Payment of such expenses is not being made where the contractor maintains no stock of oxygen but places an order with the manufacturers when he has to meet a prescription. An exception may be made, however, where a contractor not on the Council's list of suppliers accepts an EC10 order in an emergency because there is no listed contractor within reasonable distance and he has to obtain the cylinder from a manufacturer's depôt: out-of-pocket expenses in connection with collection or deliv-

ery from the manufacturer may be accepted in such cases.



**INSPECTING THE LAVENDER CROP:** Mr. R. F. Ransom (managing director, William Ransom & Son, Ltd.) with Messrs. C. C. Pryor and A. D. C. Lambert (Unilever, Ltd.), inspecting the 1960 crop in a 20-acre field of lavender grown by Messrs. Ransom at St. Ives, Huntingdonshire.

## Shop Rents Shock

### A COUNCIL PROPOSES 125% INCREASES

TRADERS in council-owned premises on the Twydall estate, Gillingham, Kent, are protesting against 125 per cent. rent increases proposed by the local council. As a result, notices to quit have been suspended until negotiations with solicitors representing the traders have taken place. The traders, among them Mr. J. C. Spensley, M.P.S., complain that the rents are being increased at a time when many traders are losing custom to privately owned shops on the opposite side of the road. Mr. Spensley has said that he and other affected traders held tenancies granted by Gillingham Corporation when the shops were opened seven years ago. Rents varying from £3 to £5 a week were accepted, and covenants were enforced limiting the goods that could be sold. At that time an assurance was given that no development on the opposite side of the road would take place for a number of years, and that there would be no duplication of existing shops. A council spokesman said that the rent increases were inevitable.

scope of his address and made an appeal for more expenditure on education and research. He believed no country could exist on the original thoughts of others, and Britain had been outstanding in fundamental research in the past. The retention of Britain's status as a first-class power would undoubtedly depend on the importance placed on fundamental research during the next twenty years.

## Fowl Pest Inquiry

### SUBMISSION OF EVIDENCE

THOSE who wish to submit evidence to the Committee of Inquiry into Fowl Pest (appointed by the Ministry of Agriculture) are asked to send a memorandum expressing their views to Mr. R. A. Isaacson, Great Westminster House, Horseferry Road, London, S.W.1. The Committee's terms of reference are to review the policy and arrangements for dealing with fowl pest in Great Britain, and to advise whether any changes should be made.

## More for Research

### CONFERENCE CHAIRMAN'S PLEA

PRACTICALLY the only new raw material left to us at the present time is our youth, said Professor W. H. Linnell at a Press conference on August 23 held at the Pharmaceutical Society's house, 21 Bloomsbury Square, London, W.C.1, in connection with the forthcoming British Pharmaceutical Conference. Professor Linnell, who is chairman of the Conference, outlined the

## Pesticides

### NEW AND DRAFT COMMON NAMES

THE British Standards Institution invite comments on the draft common names for the following pesticides. They should reach Mrs. B. Joyce, 2 Park Street, London, W.1, before September 19.

<i>Proposed common name</i>	<i>Chemical name</i>
Chromatón ..	diethyl 7,8,9,10-tetrahydro-6-oxobenzo[c]chroman-3-yl phosphorothionate <i>OO</i> -diethyl <i>O</i> -(7,8,9,10-tetrahydro-6-oxobenzo[c]chroman-3-yl) phosphorothioate
Fenthion ..	dimethyl 3-methyl-4-methylthiophenyl phosphorothionate <i>OO</i> -dimethyl <i>O</i> -(3-methyl-4-methylthiophenyl) phosphorothioate
Mecarbam ..	<i>S</i> -( <i>N</i> -ethoxycarbonyl- <i>N</i> -methylcarbamoyl-methyl) <i>OO</i> -diethyl phosphorothiolothioate <i>S</i> -( <i>N</i> -ethoxycarbonyl- <i>N</i> -methylcarbamoyl-methyl) <i>OO</i> -diethyl phosphorodithionate
Paraquat ..	4,4'-bipyridyl dimethosulphate
Phosmevin ..	2-methoxycarbonyl-1-methylvinyl dimethyl phosphate methyl 3-(dimethoxyphosphinyloxy) crotonate

The following new names have been approved by the Pest Control Products Industry Standards Committee.

<i>Common name</i>	<i>Chemical name(s)</i>
Chlorthiepin ..	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzo[e]dioxathiepine 3-oxide
Coumaphos ..	3-chloro-4-methyl-7-coumarinyl diethyl phosphorothionate <i>O</i> -(3-chloro-4-methyl-7-coumarinyl) <i>OO</i> -diethyl phosphorothioate
Cymergan ..	<i>N</i> -cyano- <i>N'</i> -(methylmercuri)guanidine
Etem ..	hexahydro-2,7-dithio-1,3,6-thiadiazepine
Morphothion ..	<i>OO</i> -dimethyl <i>S</i> -(morpholinocarbonyl-methyl) phosphorothiolothionate <i>OO</i> -dimethyl <i>S</i> -(morpholinocarbonyl-methyl) phosphorodithioate
Naptalam ..	<i>N</i> -1-naphthylphthalamic acid

In view of the large number of new names established since 1957 it has been decided to issue a consolidated British Standard including all common names agreed by the end of 1960. The opportunity is to be taken to clarify various points in the Principles for Selection of Common Names, to bring chemical names used into line with current practice, and to include a list



**FACTORY VISIT:** Fifteen hospital pharmacists from the North-west Metropolitan Region photographed with officials of the company during a visit to the Hull factory of T. J. Smith & Nephew Ltd., recently. At a dinner given to visitors Mr. S. J. Clarke (managing director of the product company) and Mr. A. Lucas (medical director of the marketing company Smith & Nephew, Ltd., Welwyn Garden City) spoke as joint hosts. Mr. D. Pritchard (chief pharmacist, Hillingdon Hospital, Hillingdon, Middlesex) replied for the visitors.

of chemicals for which it has been agreed that no common name was required as the chemical name was brief. A number of other Standards have been reviewed and are to be confirmed. They include the following:—Technique for determining the Rideal-Walker coefficient of disinfectants, with published amendments (B.S.541:1934); Modified technique of the Chick-Martin test for disinfectants (B.S.808:1938); 80 oz. and 90 oz. winchester bottles (B.S.830:1953); and Disinfectant and Sanitary powders (B.S.1013:1946).

## Health in Europe

### REGIONAL DIRECTOR'S ANNUAL REPORT

THE average European can expect to die from one of three causes: heart disease, cancer or an accident. Those are now the main "modern" causes of death, having replaced infectious diseases, and they bear witness to the fact that the average European enjoys comfortable living conditions and benefits from an efficient public health system—both of which add decades to his life if, in his youth, he avoids accidents, the chief cause of death in that age-group. That was stated in the annual report of Dr. P. J. J. van de Calseyde (director, regional office for Europe of the World Health Organisation) which he submitted to the tenth session of the W.H.O. regional committee for Europe, meeting in Copenhagen, August 16–20. Housing, air pollution, standards of drinking water, dental services for children, protection from atomic radiation, improved vaccines, better and cleaner milk were some of the topics on which the W.H.O. European office was working at the request of European governments. There was good evidence that chronic bronchitis and cancer of the lung were connected with air pollution and the W.H.O. European office was working on that problem. Standardisation of instruments for measuring air pollution, and methods of analysis was a first step, together with statistical studies of the respiratory diseases in different European countries. Model legislation and technique of con-

trolling air pollution was also planned. Studies on cancer and cardiovascular diseases had also started, and a new stimulus was given to work on hypertension when the Regional office called a conference in Prague last May. Scientists conducting specialised research along different lines became acquainted with each other's work and problems defined the main obstacles to advance in that field and decided to collaborate more closely in future. A more local problem, the spread of chronic nephritis in some countries of south-east Europe, was also receiving attention and a study had been started in Jugo-Slavia to investigate the etiology and epidemiology of the disease.

## Refresher Courses

### CROYDON BRANCH LECTURES

CROYDON Branch of the Pharmaceutical Society are again organising lecture courses at Croydon Technical College, Park Lane, Croydon, 1960–61. Two courses each of five lectures are being held. On Thursday October 13, 27, November 10, 24, and December 8. Mr. L. Priest, M.S.B.Pharm., F.P.S., is to speak on "Recent Advances in Therapeutics." Thursdays, January 5, 26, February March 9 and 23, 1961, there is to be another speaker dealing with "Refrigeration Business Methods." Fee for each course is £1, but a composite fee of £1 10s. is available for those enrolling for both courses. Both series will run from 8–9.30 p.m. each evening. Enquiries about the lectures should be sent to Mr. E. Titterton (Branch secretary), 76 Warminster Road, London, S.E.25.

## Art Bursaries

### AWARDS FOR INDUSTRIAL DESIGNS

THE Royal Society of Arts, 1, Adam Street, Adelphi, London, W.C.2, has issued conditions of award of Industrial Art Bursaries of Competition 1960. The prizes, amounting to a record sum of £5,375 (£1,000 more than in the 1959 competition) takes

**A BRANCH OUTING:** Members of the Oxfordshire Branch of the Pharmaceutical Society on a recent visit to the headquarters of Glaxo Laboratories, Ltd., Greenford, Middlesex.



form of travelling bursaries, in most cases of £150 each. The competition is open to students attending an art, architectural or technical college, and to other young designers who intend to take up industrial designing as a career. Classes in which bursaries are offered include advertising design (a new section with bursaries of £200, £175 and £150 respectively); exhibition display (a new section); packaging; typography, etc. A number of supplementary awards are available from the Art Congress Studentship Trust, Owen Jones Memorial Trust, and George M. Whaley Fund. Closing date for entries October 10, and inquiries regarding the competition should be addressed to the Bursaries Officer, Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2.

## Work in Exporting

### MOVE FOR SIMPLER DOCUMENTS

It was announced at a meeting of the British Shippers' Council recently that efforts were being made to assist the export drive by simplifying the clerical work involved in exporting goods. Important negotiations concerning the standardisation of bills of lading have recently taken place between representative ship owners of the British Liner Committee and the Council.

## IRISH BREVITIES

### THE NORTH

NOMINATIONS for membership of the Northern Ireland Local Pharmaceutical Committee should be lodged with the secretary at 4 Waring Street, Belfast, by noon on September 1. Retiring members, who are eligible for re-election, do not require to be nominated.

## NEWS IN BRIEF

THE Export of Goods (Control) Order, 1960, which came into force on August 1, removed the export embargo on magnesium oxide when shipped to the Soviet Union and China.

A PAPER by Miss Agnes Lothian, P.S. (librarian to the Pharmaceutical Society) on "English Delftware in the Society's Collection," presented at a meeting of the English Ceramic Circle, has been reprinted in its *Transactions*.

THIEVES who entered the pharmacy of Mr. F. T. Wainwright, M.P.S., 88 Market Street, Eastleigh, Hants, and took from a window cine cameras worth about £500, rearranged the display to make it look as if it had not been disturbed.

## SPORT

GOLF.—SOUTH LONDON AND SURREY PHARMACEUTISTS' GOLFING SOCIETY, at Kingswood, on August 17. *Ucal Prize*, 1, R. Hedges, Langley Park, 36; 2, A. V. Hall, Banstead, 35; 3, H. Synolds, Ifield, 33. *L. Wrathall Tankard*, M. Bodsworth, Kingswood, 30. *Visitors' Prizes*, 1, J. Bacon, Coulsdon, 36; 2, D. Hedges, Langley Park, 36.

IRISH CHEMISTS' GOLFING SOCIETY, at Elm Park, Dublin, on August 17. Prizes were presented by Evans Medical (Ireland), Ltd. *Strokes*, R. A. Tierney (8), 71; 2, C. A. Collis (17). *Bogey*, 1, J. Carroll (8), 1 down; 2, A. Walsh (9), 2 down; *Class 1*, J. J. Power; *Class 2*, J. Jordan.

# TOPICAL REFLECTIONS

By Xrayser

## Contrasts

Nothing could demonstrate more clearly the changes of the past hundred years than the illustrations on pp. 218-19. On the one hand we have a drawing of a pharmacy dating from 1863, showing, according to the caption, characteristics of the style of the later Victorian years, blending Italian and Gothic elements. That sounds to the untutored ear, something quite beyond the pale, according to modern concepts, even though some Victorian decorative fancies have again been finding favour. But in such matters it is the eye that counts, and I find the illustration of the Kensington shopfront pleasing and dignified, conveying more than a suggestion that its purpose is pharmaceutical. The shapely carboys and the specie jar have a dignity and a presence both characteristic and traditional. Not for the original Mr. Cooper any question of concealed floodlighting or difficult decisions as to fluorescent or filament lamps. Tungsten and hot cathode were a closed book to him. One can visualise Mr. Cooper's elderly man-of-all-work climbing rheumatically on to a horsehair chair to light the gas, flaming taper in his hand. A very different picture is presented in your photographically illustrated article entitled "Lighting the Pharmacy," where everything is modern, convenient and universal. The utility and brightness is undisputed, but, apart from the panel bearing the magic words "CHEMISTS DEPT" and two charming young ladies in white overalls, I see nothing suggestive of the traditional pharmacy. In such matters I am an unrepentant traditionalist.

## Collectors' pieces

The illustrations on p. 221, of an ointment jar, the leech jar and the large bottle—"yesterday's commonplaces," as you describe them—demonstrate yet again what we are in danger of losing altogether. The leech jar is a particularly good specimen of its kind. It had become ornamental by the time I entered pharmacy, though the leech itself was by no means extinct: its home, in my experience, was an unromantic glass jar, covered with a piece of muslin secured by an elastic band. The jar was plain and unattractive, and would have been recognised by the grocer next door. Many a time the occupants indulged in a playful prank that was calculated to unhinge the mind of the junior apprentice who had been suitably impressed with the importance of his duties as custodian. On occasion that youth, prematurely introduced to such heavy responsibility, found himself confronted by an apparently empty jar, but closer examination revealed that his charges were to be found clinging to the underside of the muslin. When in demand they were occasionally absent from the pharmacy, returning from pasture quite willingly to resume occupation of the jam jar until they were wanted again. But even at the best they were unresponsive pets, and it was never possible to become attached to them. Attachment, in the case of leeches, was one-sided.

## Mercury ointment

The handsome ointment jar labelled "Ung. Hyd. F." is typical of a range which was to be found in blue, pink, green or grey. The ointment itself has a long history, finding its way into the British Pharmacopoeia from the earlier dispensatories of the Colleges. In the early nineteenth century the Edinburgh Pharmacopoeia directed its preparation from purified quicksilver, mutton suet and hog's lard. It was necessary, according to the authors, to rub the mercury "diligently" in a mortar with the lard until the globules entirely disappeared. In Dublin one omitted the suet, and it was permissible to use an iron mortar, while in London one mixed the mercury with lard and suet and triturated until the globules were extinguished. Whatever the proportion of mercury, which was variable, and no matter the base, there can be little doubt of the necessity to follow the advice of the Edinburgh College, namely to rub diligently. Few things, as Samuel Johnson so succinctly put it, are impossible to diligence and skill.

## OVERSEAS NEWS

### SOUTH AFRICA

#### Reassuring Trade Figures

Though up-to-date figures of profit were not given by the chairman at the annual meeting of the Standard Finance Corporation, Ltd., recently, he gave the reassuring information that the group's profits for 1959 would not have shown a decline without the costs of rationalisation and reorganisation, which were debited fully to the trading account. After allowing for capital profits and losses and pre-acquisition profits of subsidiaries, the decline of trading profits was £118,000. That amount was far exceeded by the costs of the change-over. Asked about the group's relations with Boots Pure Drug Co., Ltd., the chairman said that they consisted only of an agreement to make certain Boots products in the Union. Regarding the complaints of chemists about tighter selling and credit conditions, he said that the group was merely insisting on its terms of payment, such as ninety days, as other groups were doing. Steps had also been taken about the disproportionate cost of small orders and deliveries. The chairman hoped that great benefits would flow from the completion of the modern factory of Lennons at Port Elizabeth. There was no need to declare an ordinary dividend for South African Druggists, Ltd., as all the ordinary shares were held by Standard Finance. A circular would be issued shortly to shareholders giving full details of the transaction with Centurian Property Co. (Pty.), Ltd. It had brought the group a capital profit of £420,000, but a loss of £48,000 on property sales since November 1 had to be deducted from that amount.

#### Acetone in "Surprise" Packets

CERTAIN threepenny "surprise" packets now on sale to children in South African shops are probably going to be withdrawn from sale soon under a decision of the Chief Regional Health Officer in Cape Town. He made his decision after discovering that some of them contained small bottles of acetone, which is poisonous if taken. The packages were made up and distributed by a Witwatersrand sweet manufacturer. The Chief Regional Health Officer said that the acetone was poisonous if it should enter the body through the skin; that it was most injurious to the eyes; and that it could probably kill a child if he should take it by mouth. He said that he was getting in touch with the Johannesburg Chief Regional Health Officer to have the manufacturers warned that the product should be taken off the market immediately. It is believed that the toys and others items sold in the "lucky" packets came from Japan, and that they were packaged with the sweets in Johannesburg.

#### Not Seeking Monopoly

OPENING a wholesale branch of South African Druggists, Ltd., at Pietersburg, Transvaal, recently, the chairman denied allegations that the company aimed at monopolistic conditions in the pharmaceutical trade. He said that 80 per cent. of the group's purchases for resale were made from agents and/or manu-

facturers in South Africa "who have complete jurisdiction over their own price structures." Modernisation of the Lennon factory at Port Elizabeth was "aimed towards self-sufficiency for South Africa in the field of pharmaceutical manufacture." That is quite a tall order, one might say, in view of the powerful position held by some overseas concerns in the field of drugs. A chain of wholesale bases had been established at Windhoek, Cape Town, Port Elizabeth, East London, Durban, Johannesburg, Benoni, Kimberley, Salisbury and Bloemfontein. That would give the retail trade an up-to-date and really effective service.

### KENYA

#### Settlement in Pyrethrum Industry

THE Pyrethrum Board of Kenya and the Mitchell Cotts Group in East Africa have concluded negotiations whereby all outstanding claims and disputes are amicably settled, and the organisations will co-operate in the future development of the Kenya pyrethrum industry.

### INDIA

#### Basis of Pharmaceutical Industry

FOUR German firms, Farbenfabriken Bayer, Badische Anilin- und Soda-fabrik, Farbwerke Höchst, and Friederich Uhde, have signed an agreement with the Government of India to build a chemical plant near Bombay. The unit is intended to be the basis on which India can build up a pharmaceutical industry.

#### Controlling Drug Manufacture

MR. D. P. Karmakar (Health Minister, Government of India) disclosed in the Rajya Sabha, New Delhi, that the Government hoped to bring forward legislation to control the manufacture of "all types of drugs" after consultation with the State Government on the subject. Mr. Karmakar was replying to a recent debate on the Bill to amend the Drugs Act, 1940. The House passed the amending Bill, which would empower the Government to appoint inspectors for inspecting manufacturing premises and taking samples of drugs and provides for a minimum punishment of one year's imprisonment and fine for the manufacture, sale, etc., of certain misbranded drugs.

### CEYLON

#### Ayurveda Research

IN pursuance of the policy of the Sri Lanka Freedom party which came to power at the general election on July 20, the new Health Minister (Mr. A. P. Jayasuriya) is going ahead with the establishment of a Central Research Institute for ayurveda. The Minister also announced that a central institution for post-graduate training in ayurveda was to be established and that ayurvedic dispensaries were to be established in every village in the Island. Meanwhile, the All-Ceylon Ayurvedic Congress, which claims to represent more than 4,000 ayurvedic practitioners, is taking steps to ensure that members conform to professional standards.

### EGYPT

#### Nationalisation Measures

THE United Arab Republic on July 17 nationalised the importing and local distribution of pharmaceuticals. Dr. Kamal Ramzy Stino (Supply Minister) said that a presidential decree authorising the measure—which will be effective only in the southern region of the U.A.R.—provided for the establishment of two state firms, to handle subsequent importing and distribution. The action, he said, was "prompted by the exorbitant profits obtained by the trade at public expense." The Minister said that compensation to the owners of the 143 pharmaceutical depôts taken over would amount to the purchase price of the products plus 6 per cent. in lieu of profits.

### ISRAEL

#### Pyrethrum Cultivation

LARGE-scale cultivation of pyrethrum is to be initiated in Israel in 1960 following three years' experience in experimental planting. If it proves successful, the area under pyrethrum is to be extended in 1961. The pyrethrum is to be used by a newly established factory making chemical compounds from plants and claimed to be the second largest of its kind in the world.

## EXPANSION PLANS

BRITISH Xylonite Co., Ltd., is spending £100,000 on additional plant for installation in a new workshop for its Hallex division. A further £60,000 of equipment is being transferred from other parts of the factory. The building itself cost £41,000. The new plant at Highams Park represents part of a long-term scheme under which Hallex will integrate into larger units.

A PROJECT costing £250,000 to build group research laboratories and headquarters in Harrogate, has been announced by the Associated Chemical Co., Ltd., Stockton-on-Tees. The company has production units at Glasgow, Stockton, Bolton, Wakefield, Birkenhead and Birmingham, and Harrogate has been chosen because of its central position to those factories.

P. LEINER & SONS, LTD., are setting up a factory in India under a new company, Leiner-Knit Gelatine Co., Ltd., to produce 2,000 tons a year of edible, pharmaceutical and technical gelatins, and bone glue, using sinews for raw material. The site for the factory has yet to be chosen, but production is planned to start in about 6-9 months' time. Technical experts from Treforest are going out to India to organise the plant.

IMPERIAL Chemical Industries, Ltd., have increased their production capacity for sodium silicofluoride ( $\text{Na}_2\text{SiF}_6$ ) by over 50 per cent. with the commissioning of a new plant at Billingham, co. Durham. The plant is associated with recent extensions to the Billingham division's production of compound fertiliser. Sodium silicofluoride has been in short supply in Britain for a number of years, and substantial imports have been necessary. The company is confident that it can now produce enough sodium silicofluoride to satisfy all the U.K. demand.

# EXAMINATION RESULTS

## Successful Pharmaceutical Chemist candidates in Scotland

THE following candidates satisfied the examiners in the Pharmaceutical Chemist Qualifying examination (old regulations) held by the Pharmaceutical Society in Scotland in July († = Certificate withheld pending evidence of practical training or age):—

Allan, J. M., Glasgow  
 Allen, J. B., Sheild  
 Anderson, Margaret P., Glasgow  
 Armstrong, A. J., Kidderminster  
 Arrol, Jane, Shipley  
 Baber, F. J., Bristol  
 Balmforth, Janet M., Leeds  
 Baron, D., Blyth  
 Baron, Stella, Blackburn  
 Barron, Marian, Preston  
 Berry, A. R., Stockport  
 Berry, G. A., Fyvie  
 Bradshaw, G. K., Doncaster  
 Brierley, A., Oldham  
 Brown, A. J., Glasgow  
 Brown, C. C., Cottingham  
 Brown, M. J., Doncaster  
 Brown, M. R., Edinburgh  
 Brown, R., Wheatley Hill  
 Bryan, P. J., Wellingborough  
 Budden, C. E., Taunton  
 Bullman, Brenda D., Sunderland  
 Burns, Patricia, Glasgow  
 Caldwell, D. M. G., Greenock  
 Canale, Noleen M., Arbroath  
 Carroll, J. B., Kenilworth  
 Clayton, P., Halifax  
 Clayton, R., Rotherham  
 Clubb, J., Ellon  
 Coatham, Sheila M., Hull  
 College, Patricia, Gateshead  
 Crombie, Dorothy A., Aberdeen  
 Dawe, R. J., High Wycombe  
 Dean, N. W., Canterbury  
 Deighton, D., Purley  
 Denholm, Jardine, Edinburgh  
 Dobson, M. C., Leeds  
 Donawa, Dorothy, Dundee  
 Dougal, W., Eyemouth  
 Downie, Margaret A. L.,

Galashiels  
 †Ecroyd, W. R., Keighley  
 Farmbrough, T. C., Canterbury  
 †Ferguson, Jemima, Glasgow  
 Fletcher, Margaret M. V., Plymouth  
 Forster, H., Newcastle-on-Tyne  
 Franklin, V. W. G., Plymouth  
 †Frater, C. W., Galashiels  
 †Freedman, N., North Harrow  
 †Fung, M.-W., Hong Kong  
 Garnett, Christine, Sowerby Bridge  
 †Geday, A. A., Galashiels  
 †Gee, M. N., Kidderminster  
 Gerstenberg, Camilla C., Aberdeen  
 Gibbons, P. M., Castleford  
 Gibson, C., Durham City  
 †Gibson, N., Sheffield  
 †Gill, Anne P., Durham City  
 †Goldie, J. M., Newcastle-on-Tyne  
 Gordon, M. L., Buckhaven  
 †Graham, Betty C., Glasgow  
 †Graham, Moira C. McK., Edinburgh  
 †Grandidge, R., Doncaster  
 †Grant, J. T., Luton  
 †Greaney, Florence A., Easington Colliery  
 Greatorex, Anne, Bourne  
 Gresswell, Hilary M., Grimsby  
 †Guy, Marie P., Barrhead  
 Haley, P. G., Doncaster  
 Hart, R. C. D., Glasgow  
 Hart, R. L., Hampstead  
 †Hastings, M. B., Blackpool  
 Haughan, K. M., Ardrossan  
 †Hawkes, B. D., Doncaster  
 †Hewson, Margaret, Hull  
 †Hind, D., Sunderland  
 Isbister, Joyce, Wallsend

Jackson, A., Leeds  
 †Jacques, Vera E. M., Boldon Colliery  
 Jappu, M. K., Dar-es-Salaam  
 Jardine, Isobel H., Bonnyrigg  
 Jewell, Barbara K., Plymouth  
 †Kay, Judith L., Otley  
 †Kidd, Anne C., Kirriemuir  
 Kitchingman, Patricia, Bradford  
 Lacey, D. A., Burton-on-Trent  
 †Lawrence, G. W., Gateshead  
 †Lawson, T., Seaham  
 †Lee, D. A., Dewsbury  
 Leonard, B., Doncaster  
 Lillington, D. A., Bristol  
 Lomas, P. N., Oldham  
 †Lunoe, Sandra, Manchester  
 Luxford, Winifred M., Faversham  
 †McChesney, Senga A., Glasgow  
 McDonald, C., Grangemouth  
 †Macdonald, Moira G., Edinburgh  
 †McGlone, Dorothy D., Glasgow  
 McKendrick, J. McA., Johnstone  
 McManus, J. McR., Airdrie  
 †Macpherson, I. G., Ardersier  
 Machen, D. P., Rotherham  
 †Mackie, J. T., Kintore  
 †Marcus, M. E., Kenton  
 †Martin, Cecilia, Leyland  
 Maude, J. B., Leeds  
 †Meekison, D. E., Arbroath  
 Milne, Elsie M. P., Darwen  
 Milne, K., Edinburgh  
 †Morris, Kathleen M., Salisbury  
 †Mowat, Agnes H., Cullen  
 †Murray, J. McB., Elgin  
 Murray, R. N., Strathaven  
 †Nathanail, P., Plymouth  
 †Oddy, Margaret E., Huddersfield  
 †Olswang, P. N., Sunderland  
 Ottaway, A. R., Macclesfield

Patel, R. B., Golders Green  
 †Patel, V. C., Bombay  
 Potts, M., Huddersfield  
 Pugsley, Shirley A., Nottingham  
 †Quinn, A., Port Glasgow  
 †Quinn, R., Edinburgh  
 Radford, M. S., Colwick  
 Read, E. J., Swindon  
 †Reid, Barbara H., Kilmarnock  
 †Richardson, Hilary F., Sheffield  
 †Richardson, R. W., Bridlington  
 †Riley, F., Keighley  
 †Roberts, Catherine P., Newcastle-on-Tyne  
 Robertshaw, Denise, Halifax  
 †Robertson, Hilda E., Aberchirder  
 Russell, Mary McD. K., Jedburgh  
 †Secker, Anne, Gateshead  
 Shaw, I. G., Edinburgh  
 Smethurst, J. B., Manchester  
 †Spraggon, W., Berwick-on-Tweed  
 †Squire, D. R., Sheffield  
 Stevens, M. E., Leeds  
 Teeder, B., Consett  
 Thomas, Jean, Halifax  
 Thorne, M. E., Barnstaple  
 †Thornton, Josephine L., Gargrave  
 Todd, Judith A., Burnley  
 Tolley, P. A. D., Ayr  
 Vaughan, A. J., Greenford  
 †Waldie, J. H., Newtown St. Boswells  
 †Walker, D. A., Grappenhall  
 Walker, Judith G., Todmorden  
 Watkiss, W., Wakefield  
 Weeks, D. H. A., Newcastle  
 Emlay  
 †Weller, F. J., Bulawayo  
 Whitehouse, Florence M., Edinburgh  
 †Wood, M. B., Morecambe  
 †Wright, Margaret E., Tarland  
 †Wylie, Catherine M., Selkirk

## London B.Pharm. successes

THE following were the successful candidates in the 1960 B.Pharm. (internal) examination of London University:—

*First class honours*, Mathison, I. W.  
*Second class honours (upper division)*, Carter, M. G.; Clarke, D. E.; Evelyn, M. L.; Goldberg, A. A. J.; Golinski, P.; Kontowtt, Elzbieta M.; Spriggs, T. L. B.; Swarbrick, J.; Trigger, D. J.

*Second class honours (lower division)*, Adams, M. E.; Andrews, P. F. L.; Bailey, Pamela F.; Crews, Eileen M.; Cripps, J.; Cynk, Wanda; Deade, Gwendoline M. A.; Dixon, M. D.; Duckitt, A. K.; Gilbert, R. J.; Horne, R. W.; Hughes, B. O.; Hurrell, M.; North, Pamela M.; Phylactou, Dorothy; Radford, Jennifer; Raper, C.; Rayner, Valerie J.; Roberts, D. J.; Robson, Margaret H.; Sharp, Janet L.; Southgate, P. J.; Stockham, M. A.; Thompson, P. S.; White, R. W. A.; Williams, C. D.

*Pass*, Brandon, B. J.; Brown, Janet D.; Christmas, M. D.; Day, Audrey D.; Dew, R. M.; Fagan, M. E.; Francis, I. W.; Euro, A. E.; Gimmack, W. N.; Hale, Susan P.; Hibbert, M. S.; Hicks, J. R.; Laundry, T.; McKim, Josephine R.; Mawji, S. M.; Moser, M. I.; Murgraff, N.; Ohio, N. E.; Percik, B.; Shilson, Diana E.; Shucksmith, M. J.; Smith, G. M.; Steel, M. R.; Teare, Margaret M.

Degrees were awarded on August 19.

*The following have passed in Part I*, Abonyi, Maria J.; Bacon, Muriel J.; Badcott, D. H.; Benoliel, D. M.; Broder, M. H.; Bruce, Judith C.; Brudno, Ruth E.; Bullivant, J. M.; Bunn, D. K. G.; Byrne, A. J.; Clark, M. S. G.; Clyne, Avril R.; Cohen, A. S.; Cohen, D. B.; Collins, Rosemary E.; Dammi, D. O.; Dean, Bridget J.; Diamond, Sheila M.; Dippy, J. E.; Dobbs, Christine; Dreifuss, R. B.; Edson, Janet A.; Erlick, Elaine L.; Eustace-Pedlar, B. T.; Feakes, Jose-

phine M.; Fenton, H.; Finberg, M. S.; Frost, R. A.; Gregory, Hilary M.; Habib, M. S.; Hansen, Margaret E.; Hart, C. L.; Hartley, B. H.; Ingledew, Georgina H.; Jones, J. A.; Judge, M. J.; Lees, P.; Lyons, M. S.; McLean, W. F. H.; Maskell, Bridget C.; Maxwell, J.; Mead, R. J.; Merrington, D. M.; Messum, Rosemary L.; Morgan, H. R.; Murrison, Janet M.; Newby, Nora J.; Nixon, Beryl M.; Orme, Sylvia R.; Parsells, Gwenda I.; Pearcy, Sheila I.; Pidoux, Marilyn J.; Pike, J. M.; Reader, F. P.; Rhodes, C. T.; Roffe, Dorothea J.; Rowland, M.; Senior, Judith B.; Sharp, Rosemary J.; Sharpen, A. J.; Shewring, C. J.; Stanley-Wood, N. G.; Steels, Frances J.; Sutton, Linda M.; Symons, P. J.; Tiranawasadi, P.; Tombs, K. A.; Toms, G. C.; Troughton, P. J.; Walton, M. B.; Watling, W. J. T.; Watman, G. P.; West, D. E.; Whitley, D. W.; Winterton, A. P.; Wiseman, A. T.; Ziege, Rosemary P.

THE following were the successful candidates in the 1960 B.Pharm. (external) examination of London University:—

*First class honours*, Hemingway, R. J.; Hurst, J.

*Second class honours (upper division)*, Day, M. D. J.; Goadby, P.; Ringshaw, D. J.

*Second class honours (lower division)*, Aldridge, B. W.; Barker, Jean P.; Brown, J. A.; Fisher, C. J. T.; Gunning, S. R.; Holloway, Jean C.; Mezzo, L.; Oglesby, Betsy A.; Ogundibo, J. O.; Redkar, S. H.; Smith, J. A.; Smith, J. F.; Warne, Patricia M.; Williams, Patricia A.; Wong, Evelyn M. B.

*Pass*, Achara, E. N.; Atkinson, M.; Davies, I. ab I.; Mallick, S. K.; Saha, K.; Smailes, A.; Taylor-Morgan, T. V.; Ukiwe, A. E.

The above candidates were awarded the degree on August 19.

The following have passed in *Part I*, Alexander, Eileen G.; Allen, A. C.; Bickler, R. N.; Burman, R. J.; Chadbourne, D. J.; Cheng, W. K.; Clarke, C. A.; Cottingham, R.; Curry, S. H.; Duncan, M. J.; Edwards, Diana;

Frampton, Gillian M.; Gor, K. S.; Heard, D. D.; Hemsworth, B. A.; Henderson, G.; Jones, R. O.; Lawrence, G. W.; Mann, J.; Marks, A. J.; Mehta, K. J. D.; Mitchell, W. B.; Mossanen, F.; Patel, B. R.; Patterson, D. A.; Rhodes, Linda M.; Riley, D.; Rooke, M. B.; Shah, C. P. N.; Shah, S. M.; Stebbins, G.; Thomas, G.; Ward, W. S.; Willson, K. L.

### Pharmaceutical Chemist Qualifying Examination

(Part II)

The following were successful in Part II of the Pharmaceutical Chemist Qualifying examination (new regulations) held by the Pharmaceutical Society in England and Wales in July (A=pharmacognosy II; B=pharmaceutics I; C=pharmaceutical chemistry II):—

BREITHAUP, W. (A, B), Liverpool; CARRICK, J. (A, B), Sunderland; FENWICK, R. W. (A, B, C), Sunderland; MARSHALL, Kathleen (A, B), Sunderland; MAY, Stephen Herbert (A, B, C), Sutton Coldfield; NIMMO, I. D. (A, B, C), Middlesbrough; PATEL, S. R. (A, B), Sunderland.

## ALLOCATING THE DOCTORS' AWARD

### Recommendations of joint working party

THOSE doctors who were in the National Health Service between March 1, 1957, and December 31, 1959, should receive retrospective payment at the rate of 5.9 per cent. of their total gross income under N.H.S. during that period; doctors who were trainees at that time should receive £50 a year. Those recommendations have been made by the joint working party on general medical practitioners' remuneration that was set up to ascertain the equitable distribution of £22½ millions involved in the proposals included in the Report of the Royal Commission on Doctors' and Dentists' remuneration. Higher payments for maternity work, increased inducement payments and an increase in the dispensing capitation fee to 10s. 6d. were also recommended. The payment in respect of drugs required for immediate administration or application, or for use before a supply can be obtained in the ordinary way, should be 5s. for each 100 persons on the doctors' list, instead of 2s. 6d. as at present. The arrangements for claiming special payments for expensive items should continue. Commenting on the recommendations, the general medical services committee of the British Medical Association has stated it has always held the view that payment for emergency drugs and dressings supplied by non-dispensing practitioners should be a charge on the pharmaceutical services and not on the central pool. The committee has recently informed the Ministry of Health that it adheres firmly to that view. Giving guidance on how the proposals will apply to the individual doctor's average income, the committee indicates that the proposals of the Royal Commission amount to an increase of £450 a year as from January 1 for doctors receiving an average income. Allowing for the estimated increase in practice expenses for the year 1961-62,

a further £100 will accrue making £550 altogether. Interim awards have already provided £205 of that increase. The proposal for "differential" or "merit" payments totalling £500,000 recommended by the Royal Commission is to be considered later. The recommendation had proved the most contentious of those put forward by the Commission and it was evident that to achieve a generally accepted scheme would require separate discussion.

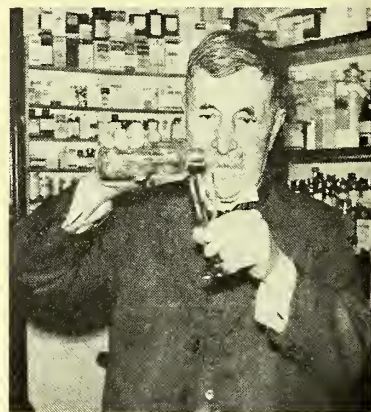
Another working party on hospital medical and dental staff largely accept the recommendations of the Royal Commission on salary scales and rates, arising out of the proposals for distributing £9m. retrospective pay. Hos-

pital authorities are asked to bring the new rates into operation from the end of January 1961, and they take effect from January 1, 1960. Some of the main salary scales recommended are: Consultants, £2,550-£3,900 (with distinction awards from £750 to £4,000); senior hospital medical and dental officers, £2,000-£2,700; senior registrars, £1,500-£2,100; registrars, £1,250-£1,400; junior hospital medical officers, £1,100-£1,580; senior house officer, £1,050-£1,100; house officers, £675-£825; general dental surgeons employed in hospitals, £1,220-£2,060.

## OLDEST IN HARNESS

### A Wiltshire pharmacist retires

MR. William Couch, M.P.S., who is eighty-six is probably the oldest practicing pharmacist in the country, is retiring at the end of the month after



Mr. W. Couch in the dispensary of his pharmacy.

sixty years in business at Chippenham, Wiltshire, where he has a pharmacy at Market Place. A native of Chichester, Sussex, Mr. Couch qualified in 1885 after studying at the Metropolitan College of Pharmacy, London. He worked as an assistant in the Midlands before going to Chippenham.

## AGRICULTURAL CHEMICALS

### Revised and new safety recommendations

THE Ministry of Agriculture has published revised recommendations for the safe use of endrin on blackcurrants. The recommendations are those issued during 1959 omitting the special paragraphs relating to the use of the compound on edible crops for juice manufacture only. New recommendations have been released concerning the use of aryl mercury fungicidal sprays, which the Ministry considers need not be included in the Agriculture (Poisonous Substances) Regulations when used as foliage sprays outdoors. The compounds are not expected to present a hazard to operators who observe the following precautions, which distributors are requested to include on labels of emulsion concentrates and water dispersible powder concentrates:—

"Avoid contact of the concentrate with the skin to prevent skin rashes or blisters. Wear rubber gloves and face-shield when using the concentrate. If the skin or eyes are contaminated with concentrate, wash immediately and thoroughly.

Avoid inhaling the spray mist. Wash exposed parts of the body before eating, drinking or smoking and after spraying.

The Ministry considers that aryl mercury foliage sprays may be applied to apples and pears until the end of July, provided that that is not less than six weeks before harvest. In such conditions the residue should not exceed 0.1 parts per million of mercury and should not present a hazard to consumers. The Ministry states that there is insufficient information on which to base recommendations for the safe use of aryl mercury foliage sprays on other edible crops. Other recommendations are that animals and poultry should be kept away from the spray and from spray areas for at least two weeks; that fruit trees should not be sprayed when orchards are present in the orchard; that care should be taken not to contaminate neighbouring crops, ponds, etc.; that containers should be stored tightly closed, away from children, livestock, food, and used containers disposed of.

## COMPANY NEWS

Previous year's figures in parentheses

**UNITED GLASS, LTD.** — Interim dividend of 5 per cent. on the Ordinary stock is declared.

**EVANS, GRAY & HOOD, LTD.** — Mr. F. Seear (managing director) is retiring from service with the company on August 31.

**COLEMAN & CO., LTD.** — Final dividend, 15 per cent. making 20 per cent. (15 per cent.). Group net profit estimated at £76,533 (£60,151), before tax of £34,077 (£28,946).

**COOPER, McDUGALL & ROBERTSON, LTD.** — Mr. D. Robertson is to retire as a director on August 1. Mr. C. M. Carr is to become joint managing director on September 1, and Mr. J. Kirkland Wilson a director.

**PHILIP HARRIS, LTD.** — Trading profit, etc., for year to March 31, £6,995 (£136,531). Net profit, £46,104 (£50,213), after tax, £34,988 (£59,790). Final dividend, 6½ per cent. on doubled capital, making 8¼ per cent. equivalent (same).

**BIOREX LABORATORIES, LTD.** — Professor E. E. Turner, M.A., D.Sc., R.I.C., F.R.S., has been appointed director of research from October 1. He will direct the company's new research laboratory to be opened shortly in City Road, London, E.C.1.

**DRUG HOUSES OF AUSTRALIA, LTD.** — Group profit in the year to June 30 was raised by £A63,278 to a new record of £A933,951 after providing £A699,875 (£A579,650) for tax and depreciation of £A213,163 (£189,560). The dividend is unchanged at 11¼ per cent.

**DUFAY, LTD.** — No dividends for 15 months to December 31, 1959 (same for previous year). Preference dividends are in arrears from April 1, 1954. Net loss for 15 months £46,359 (loss £59,717 for year), after tax £1,789 (nil) and depreciation £18,574 (£16,280).

**HOWARDS OF ILFORD, LTD.** — Changes in the board are announced as follows: — Mr. J. A. E. Howard (chairman); Messrs. E. W. M. Fawcett and P. P. Hodgkins (joint managing directors), and Messrs. W. A. Levick and R. C. Patrick are appointed to the board. Mr. T. W. Howard remains on the board and continues as chairman of the holding company, Howards & Sons, Ltd.

**HOWARDS & SONS, LTD.** — The company has decided to go ahead with several further capital developments which will involve expenditure of more than £500,000 over the next two years. In addition to outstanding commitments of £114,000 as at April 30, according to the statement by the chairman (Mr. W. Howard). Looking ahead the directors are hopeful that with extra productive capacity becoming available both the subsidiaries and subject to the continuing at the present level, results for the current year should be better than for the previous twelve months. Under the circumstances 14 per cent. is being paid for the sixteen months ended April 30, equal to 10½ per cent. per year. Group net profits for the sixteen months totalled

£100,837, against £23,219 for 1958. Sales for the last twelve months were a record and over 25 per cent. above those of the previous twelve months. The improvement was made possible by increases in productivity as well as in plant capacity. The most important capital development was the construction of the phthalic anhydride plant which reached its designed output in February. Present and future output of the plant is already fully taken up. During the period two trade investments were sold, realising a surplus over cost of £265,297. That action was to implement the policy of concentrating group resources in the manufacturing subsidiaries. The remaining trade investments will be sold when and if suitable occasion arises, but Mr. Howard says that it is very improbable that any further large surpluses over book value will be realised. A new aspirin purification plant was completed during the year but the full increase of productive capacity will not be realised until the immediate aspirin unit is completed during the present year. Earlier this month shareholders were told that an approach had been made which might result in a cash offer being received for the Ordinary shares but discussions were still at an early stage and it was unlikely that any decision would be reached for at least two months.

## BUSINESS CHANGES

**H. BRONNLEY & CO., LTD.**, have sold their factory at Warple Way, Acton, and taken larger premises at Brackley, Northants.

## PERSONALITIES

**MR. GEORGE E. WILKINSON**, M.P.S., who is manager of Boots, Ltd., Motherwell, was installed with his chain of office as president of the local Rotary Club recently.

**MR. S. R. WOODS**, who is export manager of Smith & Nephew Pharmaceuticals, Ltd., was presented with a cheque and a certificate on August 9 to mark his twenty-five years' service with the Smith & Nephew group of companies.

**MR. MICHAEL DESMOND McHALE**, M.P.S.I., 183 Howth Road, Killester, Dublin, was one of the winners of a world-wide photographic contest run by *Time* magazine recently. His entry which was one of twenty-four winning prints selected from over 2,000 from all parts of the world, was entitled "The Spire of Segovia," and it had previously won the Henry trophy of the Photographic Society of Ireland. An outstanding photographer, Mr. McHale has frequently lectured to members of the Photographic Society of Ireland. He qualified as a pharmacist in 1928, is an active member of the committee of the Irish branch of the Photographic Dealers' Association.

## MARRIAGES

**BURKE — WEBB.** — At St. Mary's Church, Haddington Road, Dublin, recently, Michael J. Burke, M.P.S.I., 25 South Street, New Ross, co. Wexford, Irish Republic, to Mary C. Webb,

L.P.S.I., St. Patrick's Street, Castlereagh, co. Roscommon.

**SHEARD—BULTON.** — At Skipton Parish Church, Yorks, recently, Clifford Sheard, M.P.S., 62 Garnet Road, Leeds, 11, to Christine W. N. Bulton, Regent Drive, Skipton.

## DEATHS

**BLINKINSOP.** — On August 20, Mr. Nevill Blinkinsop, joint managing director of Ward, Blinkinsop & Co., Ltd., 37 Queen Square, London, W.C.1. Mr. Blinkinsop held a prominent position in the fine chemical industry between the wars as managing director of May & Baker, Ltd., the company his grandfather had acquired from Mr. May and Mr. Baker. In 1939 he sacrificed that position for independence and became a co-founder of Ward, Blinkinsop & Co., Ltd.

**Mr. J. S. Hill** (a director of Messrs. Ward, Blinkinsop) writes: "Mr. Blinkinsop was a tough negotiator, an outspoken critic and socially something of a recluse. He yet succeeded by his ability and sincerity in earning the respect of the industry and the loyalty and affection of his colleagues and staff. Only his close friends knew of the many acts of kindness which he concealed beneath a somewhat forbidding exterior."

**CALDER.** — On July 27, Mr. Fred Calder, M.P.S., 29 North Street, Bishop's Stortford, Herts, aged seventy-one.

**O'MAHONY.** — Recently, Mrs. Hannah Maria (Joe) O'Mahony, M.P.S.I., Evergreen Road, Cork, Eire. Mrs. O'Mahony qualified in 1928, and carried on a business in the city. Her husband, Mr. Daniel J. O'Mahony, is a dental surgeon, and her sister, Miss Elizabeth Ryan, M.P.S.I., is a practising pharmacist in Cork.

**PIRRIE.** — Recently, Mr. Charles Alexander Pirrie, M.P.S., 2 Northern Road, Kintore, Aberdeens, Mr. Pirrie, who qualified in 1912, carried on business in Kintore.

**TILDESLEY.** — On August 13, Mr. Robert William Tildesley, M.P.S., 180 Pall Mall, Leigh-on-Sea, Essex, aged seventy-nine.

**WALKER.** — On July 31, Mr. Sidney Walker, M.P.S., 37 Chapel Street, Rugby. Mr. Walker qualified in 1924.

**WHITE.** — On July 13, Mr. William White, M.P.S., 8 Summerford Road, Camelon, Falkirk, Stirlings. Mr. White qualified in 1938.

**WILSON.** — On August 6, Mr. Robert William Wilson, M.P.S., 18 Stephenson Terrace, Wylam, Northumberland, aged eighty-seven. Mr. Wilson was in business until the beginning of the year at Askew Road, Gateshead, and Front Street, Winlaton, and indeed took charge during a staff holiday week in June of this year. He qualified from Edinburgh in 1895. For fifty-five years he was organist and choirmaster at St. Oswin's Church, Wylam. He was Pastmaster (1940-41) of the Vindobala Lodge of Freemasons and Past-principal of the George Stephenson Chapter. He is survived by his son (and successor) Mr. John F. Wilson, M.P.S.

## TRADE NOTES

**Ranges Extended.**—Roche Products, Ltd., 15 Manchester Square, London, W.1, announce the addition of packs of six and fifty ampoules of Becosym with B<sub>12</sub> and of twenty-five and 100 300-mgm. tablets of Benerva.

**Opportunities in Thailand.**—Borikarn Vejabhand, Ltd., 7 Taladplue, Dhonburi, Thailand, wish to import household remedies, "patent" medicines, pharmaceuticals, chemicals, etc., into that country and invite manufacturing chemists or suppliers in England to make contact with them direct.

**A Trade Reception.**—A successful trade reception—exclusively for ladies—was held in London on August 9 by Remington Electric Shaver Co., Ltd., 26 Kensington High Street, London, W.8, when managers and assistants from pharmacies and other shops in London were guests of the company at demonstrations of the Princess ladies' shaver and—by a Camay beauty consultant—of the art of make-up.

**Withdrawn.**—Universal Laboratories, Ltd., Sandwich, Kent, have withdrawn their product Dascote from distribution. Any member of the trade wishing to return stock is invited to dispatch it to the company, when full credit will be issued. The returns should be addressed to the distribution department of the company, and parcels should contain a note showing the name and address of the sender and details of the contents by pack.

**Influenza Vaccine.**—Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent, announce that their influenza polyvalent vaccine Flubron is again available this year. Prepared from the strain A/Asian/Formosa and B/England/59, the vaccine is standardised to contain 12,000 haemagglutination units per mil. It contains no mineral carrier and retains its potency for eighteen months when stored in a refrigerator at 2° to 10°C. (35-6° to 50°F.). The vaccine is stable for one week at 20° to 25°C. (68° to 77°F.). The packs are boxes of one and six ampoules of 1 mil and vial of 10 mils.

**Virus Vaccine.**—Glaxo Laboratories, Ltd., Greenford, Middlesex, state that their virus vaccine Invirin is again available, and that the two virus strains considered most likely to be involved should an influenza epidemic occur this winter (A/Singapore/1/57 and B/England/939/59) are incorporated in it. Invirin is available in 1-mil ampoules and in a new 10-dose rubber-capped vial designed for use by medical officers in industry, schools and similar organisations. Invirin contains 0.013 per cent. of thiomersal as preservative, retains its potency for eighteen months, and is free from mineral carrier. The vaccine needs to be stored in a refrigerator. All consignments are labelled to draw consignees' attention to the need for immediate refrigeration on delivery. Stocks are expected to be available at the end of August. Packs available to the trade are boxes of one and six 1-mil ampoules.

**Change of Price Structure.**—Ward, Blenkinsop & Co., Ltd., 37 Queen

Square, London, W.C.1, announce that, from September 1, the trade price of the box of twenty-four Gon tablets is being increased, though the retail price is unchanged. The alteration of price structure will enable the company to carry out heavier advertising during the coming winter. The tablets are supplied in display outer containing twelve boxes of twenty-four tablets.

**Christmas Showrooms.**—The following hotel displays of Christmas merchandise are announced: DUBARRY PERFUMERY CO., LTD., Goldstone Laboratories, Hove, Sussex.

LEEDS: Great Northern,

August 29 to September 9.

CARDIFF: Royal, August 29 to September 9.

LIVERPOOL: Adelphi, August 29 to September 2.

EDINBURGH: Darlings Regent Hall,

August 29 to September 2.

BIRMINGHAM: Grand, September 5-9.

MANCHESTER: Midland, September 5-9.

GLASGOW: George, September 12-16.

NEWCASTLE-UPON-TYNE: Turks Head and Royal, September 12-16.

NORWICH: Castle, September 12-14.

BELFAST: Kensington, September 12-24.

LLANDUDNO: St. George's, September 13-15.

**SCOTT & BOWNE, LTD.,** 50 Upper Brook Street, London, W.1.

LIVERPOOL: Adelphi, August 29 to September 2.

CARDIFF: Royal, August 29 to September 2.

LEEDS: Queens, August 29 to September 2.

GLASGOW: St. Enoch, September 5-9.

NEWCASTLE-UPON-TYNE: Turks Head and Royal, September 5-9.

BELFAST: Kensington, September 5-9.

BIRMINGHAM: Grand, September 12-16.

MANCHESTER: Midland, September 12-16.

NOTTINGHAM: County, September 19-23.

**£100 for a Chemist.**—In a "Guess-my-age" baby competition organised by H. J. Heinz Co., Ltd., 195 Great Portland Street, London, W.1, during National Baby Week in June, 19,807 mothers, each with children under three years old, entered. The winner, Mrs. Margaret E. Griffiths, Bristol, receives a cheque for £500 and an endowment policy that will bring her seventeen-month-old son Paul £500 on his twenty-first birthday, and W. B. Challenger, chemists, Cotham Hill, Bristol, receive £100 as the stockists who supplied the winner. Ten runners-up have been awarded £25 each and their stockists £15 each. The prizes were awarded for guessing the age of a baby featured on the company's mer-

chandising material and on National Baby Week posters. The judging was carried out by officers of the National Baby Welfare Council.

### Bonus Offers

GEIGY PHARMACEUTICAL CO., LTD., Roundthorn Estate, Wythenshawe, Manchester 23, Desogen throat lozenges. Eighteen packs free with order for seventy-two packs; ten with forty-eight; four with twenty-four. Pack is a counter display box of twelve. Counter display unit free with order for seventy-two.

### Information for Manufacturers

**Aluminium Chlorhydrate.**—A booklet published by Albright & Wilson (Mfg.), Ltd., 1 Knightsbridge, London, S.W.1, describes some of the properties and applications of aluminium chlorhydrate, a widely used astringent in antiperspirants and deodorants. The company makes almost the complete range of soluble aluminium salts with those properties but states that the chlorhydrate has a decisive advantage over the others in combining high astringency with suitability for use in a wide range of solid and liquid preparations. The booklet gives numerous formulations for the compound.

**Edible Antioxidants.**—Edible grades of refined butylated hydroxytoluene antioxidants for both human foods (Topanol BHT) and animal feeding-stuffs (Topanol OC and Topanol OF) are now available from Imperial Chemical Industries, Ltd. The plants which make them are operated under special conditions by the company's heavy organic chemicals division at Billingham, co. Durham, to enable the stringent standards of purity and hygiene necessary for edible applications to be met. Topanol OC is crystalline and readily dissolved in liquid oil or fat, whereas Topanol OF is a free-flowing powder for use where dry-mixing is required. Both are supplied in special polythene-lined drums. The Antioxidant in Food Regulations, 1958, permit the use of specified quantities of butylated hydroxytoluene in a variety of human foods and the company emphasise that Topanol BHT is made specially for that purpose, protecting animal and vegetable oils and fats from rancidity in concentration as low as 0.01 per cent. by weight.



**A RANGE OF SHAMPOOS:** A strong family likeness among the shampoos newly introduced in 1960 by Evan Williams Beauty Aids, Ltd., 52 Fore Street, London, N.18, leaves ample distinctiveness to each. In the picture are the Evan Williams cream shampoo in sachet, medicated cream shampoo in sachet and bottle, and medicated liquid shampoo in sachet and bottle. The labels on the bottles are uniform in shape but, like the sachets, have a yellow ground for the cream and green ground for the liquid varieties.

## NEW PRODUCTS AND PACKS

**Two New Specialities.** — Ward, Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1, have launched a new speciality Uvistat cream, containing a benzophenone derivative with a wide range of absorption of ultra-violet rays, for the prevention of photo-dermatoses. The pack is a 50-gm. tube. Another new speciality of the company is Urelim tablets, each containing 0.5-gm. of *p*-carboxybenzenesulphondiethylamide, for the treatment of gout. The packs are containers of 100 and 500 tablets.

**Colour-coded Baby Pants.**—S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts, announce the introduction of new colour-coded packs for



their range of plastic baby pants. The range comprises a blue pack for items in the lowest-price range (white, elastic leg; white-bound leg; pink and white stripes, elastic leg; and blue and white, elastic leg); a pink containing extra-strong plastic pants at the next price; a yellow pack for the rayon-covered type; and a grey pack for the nylon-lace covered "Sunday" pants available in white, pink or blue.

**Royal Jelly at a Popular Price.** — Tom E. Hobson, Ltd., 46 Crooked Billet, London, S.W.19, are agents and distributors of Nectaril royal-jelly capsules, which are being marketed at a price claimed much below prices of comparable products previously available.

**A Range for Men.** — A range of toilet preparations for men—the No.



39—comprising pre-shave, after-shave, toilet water and talc, has been pro-

duced by J. Floris, Ltd., 89 Jermyn Street, London, S.W.1.

**Now in Tube.** — "Deep" shampoo treatment for greasy hair, a product of Charles Bedeman, Ltd., 180 Queen's



Road, London, S.E.15, is now available in a squeeze tube as well as in a sachet. The white polythene tube is printed in orange and black. It contains the equivalent of 6½ sachets and is issued to the trade in box of six, the outer being designed as a point-of-sale unit, size 9 x 6 in.

**An After-shave Tan from Canada.**—Biometica, Ltd., Boreham Wood, Herts,



are marketing for Fleet Laboratories, Ltd., Toronto, Canada, a clear after-shave tanning lotion containing vitamin D—"My Tan." Consignments of 1 doz. bottles of the product go out with an attractive counter display.

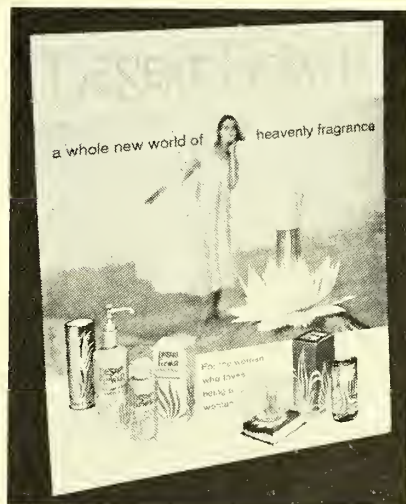
**Eye Cosmetics.**—Two new products launched by Dorothy Gray, Ltd., New Bond Street, London, W.1, are



Beauti-lash eyelash cosmetic with roll-on applicator and available in emerald, hazel, jet and lagoon shades; and a propelling eye-brow pencil in dove, emerald, hazel, jet and lagoon shades.

**A New Series.**—Miner's make-up is being reintroduced in new packs and with new product names and shades. Simultaneously a men's series, Freshman, is being marketed by the manufacturers, Myram Picker, Ltd., Hook Rise, Kingston By-pass, Surbiton, Surrey. The previous series of Miner's products is superseded.

**Now a Range for Women.**—Shulton (Great Britain), Ltd., 160 Piccadilly, London, W.1, whose Old Spice products for men are well established on the British market, are now launching the women ranges with which their name is also associated in America. Desert Flower in its gold-and-white packs "speak of taste and sophistication and the fragrance itself breathes enchantment." The perfume has a top-note of citrus and jasmine, with undertones of aromatics and sweet woods. The range comprises toilet water, spray Cologne, talc, dusting powder, soap and hand-and-body lotion. The preparations are being manufactured in Britain to the original American formulas.



**A NEW RANGE DISPLAYED:** One of two showcards (15 x 17 in. and 12 x 9 in. respectively) for the Desert Flower series.

## A BLEND OF OLD AND NEW

### Modernisation with discretion at a London pharmacy

IN taking over a pharmacy that has had a distinguished past the problem is to know how far to bring it up to date. Should everything be sacrificed to commercial development along modern lines, with tradition thrown to the winds? Should all the special character of the business be preserved? But modern customers and their needs are dif-

ferent anyway and pride in former prestige may prove to be maintained at the expense of turnover and profit. Or is it possible to get the best of both worlds, selecting what is best to keep and grafting on to it what is needed to make the business profitable in the conditions of the mid-twentieth century? In deciding on the third course, Mr. N. H. Leaper, when he acquired the old-established pharmacy of Dyson & Co., 35 Gloucester Road, London, S.W.7, had two things in his favour. He had had a long experience of conducting pharmacies in London's West End. In fact it was his success in running them that enabled him to acquire a pharmacy he had always admired. Secondly, as a semi-professional artist he had had pictures "hung" at many an exhibition. He was able to visualise changes that could be carried out to blend attractive elements of the existing premises with new improvements and was able himself to design in detail new display windows, showcases, etc.

#### Tasteful Design

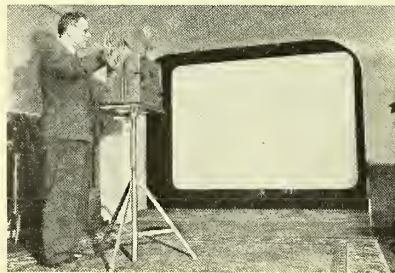
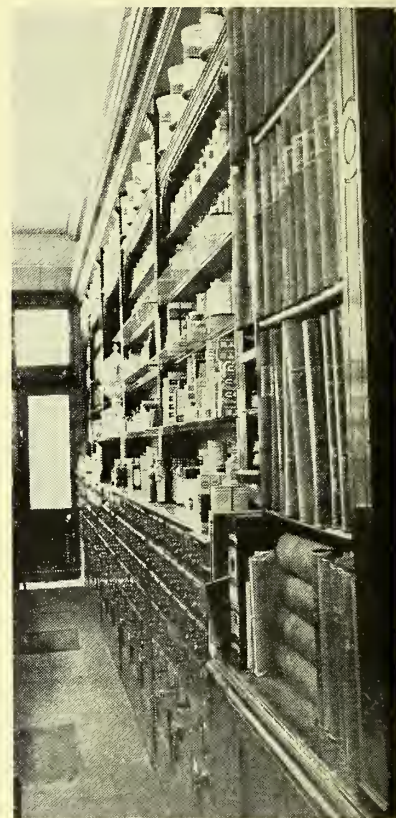
The result is an attractive synthesis of nineteenth- and twentieth-century features with that air, at once gracious and lively, that, say, an old manor house takes on after generations of occupants have modified it in ways to suit their own requirements.

Externally the character is one of timeless good taste and quality. The style is not "contemporary" in the narrow sense in which that term is used today, but has been given a bronze-framed round-edged window coming forward from the walls in a way that demanded—and received—craftsmanship of a high order. The windows were made

for display of goods, unlike the original windows with their mahogany half-height backs intended to set off to advantage a specie jar or two, but not



The fanlight and lamp, with their message "Established 1858" remain in the style of the period. The glass doors, with their decorations by the artist proprietor, the projecting sign and the discreet panel "English and Foreign Chymists" prove the business alert to attract the customers of today.



Whether or not it is the longest in London, the range of drug drawers extending across five bays (at right above) is of an impressive length. In its exterior, the pharmacy has the advantage of a prominent entrance (at left, above), and the disadvantage of "awkward" display windows, one of which, fronting on Gloucester Road, has been given an attractive "window within a window." The former low back of the main window has been raised to window-top height (above) and new glass doors inserted below it. In the basement, a photographic projection room has been fitted out (picture at left).

goods offered for sale. Those backs have been kept but raised to window-top height, the lower portion made good in matching style but incorporating doors for access to the displays. Backless windows of the kind installed in many new pharmacies were not considered appropriate to the particular pharmacy interior. The rightness of that decision is apparent on entering the shop. The patterned tiled floor and long mahogany counter (behind it a "run" of drug drawers that is possibly the longest in London) make their own impact on the customer, conveying an impression of "built-to-last" quality and forethought that can but reassure the customer spending money at the counter or waiting for dispensed medicine.

Tradition Preserved

Nothing modernistic has been introduced into the pharmacy interior. Indeed most of the things which impart the flavour of pharmaceutical tradition have been preserved. An example is the weighing machine of archaic style but accurate performance labelled "Henry Pooley & Son, Patentees, Liverpool and 89 Fleet Street." On the other hand a bow-fronted showcase for sponges, the sale of which today is not heavy enough to warrant such a fixture, has been ingeniously converted into a showcase for Elizabeth Arden cosmetics. The goods are displayed upon white glass "shelves" (about 3 in. thick) illuminated from within.



The accurate but old-fashioned weighing machine is more than a talking point. Newcomers to the pharmacy—especially American visitors—insist on being weighed upon it.

Leaded-light signs inscribed PHARMACEUTICAL and CHYMISTS which probably once formed elements in a dispensing screen, have been recalled from limbo and installed in place of actual windows high in the rear wall of the shop. The dispensary has been moved several feet to the rear and what was the old dispensing screen has been converted into a department for the display and sale of photographic goods.



Shop rounds still line the walls, and the patterned tiled floor is not contemporary, but the long counter provides display space for goods that will prompt "impulse" purchases.



What was formerly a dispensing screen has been converted into a photographic counter and the dispensing department moved further back, though still kept prominent by means of a neon sign.

The pharmacy is fortunate in having an extensive basement floor. It is principally taken up, now as formerly, with stock rooms, but they are being given gradually a twentieth-century efficiency of arrangement and good housekeeping. One section of the basement has been converted into an effective and attractive projection room capable of seating about twenty-five people where, among other uses, customers have been encouraged to see their own achievements in pictorial photography projected on to a lifelike screen.

Flagstones that formed—and form—part of the floor of the room have been artistically darkened and patterned by Mr. Leaper, turning what was a rather unsightly element into a feature that contributes to the success of the conversion.

All told, Mr. Leaper has contrived to turn the business in the direction of increased turnover without detracting from—in fact rather adding to—the charm of the premises as an embodiment of the best of nineteenth-century pharmacy design and layout.

**A PART IN SPACE RESEARCH**

ILFORD nuclear emulsion, the manufacturers of which are Ilford, Ltd., Ilford, Essex, was part of the scientific payload carried by the American space capsule recovered from the Pacific recently. The emulsion, of which the company are the only manufacturers in the Western world, is used to record the disintegration produced by cosmic-ray particles. It is usually assembled in "stacks" (sheets of emulsion bound to form a solid block).

## SHOPFITTING AND DISPLAY NOTES

**Lighting Leaflets.** — Courtney, Pope (Electrical), Ltd., Amhurst Park Works, Tottenham, London, N.15, have published two new 4-p. leaflets: one deals with the company's new Stripline range of fluorescent batten fittings and the other with lighting louvres.

**Sliding-door Cabinets.** — General Trade Equipment, 82 Seymour Place, London, W.1, have introduced a new range of sliding-door steel lock-up cabinets. They are finished in stoved green enamel, and are supplied with two keys. A variety of sizes are available from 40 in. high x 36 in. wide x 18 in. deep to 72 x 48 x 18 in. Shelves, which are adjustable, are not included in the cost prices of the cabinets.

**A New Display System.** — Wirecrafts of Essex, Ltd., 13 Arcany Road, South Ockendon, Essex, recently introduced, under the brand name Defta, a new display system which, they claim, "virtually provides a sort of Meccano set from which can be built an infinite number of different displays and which, when not in use, breaks down into small pieces for easy packing and storage."

**New Pencils for Marking.** — A new graphite pencil that will write on all surfaces is being marketed by L. & G. HARDTMUTH (GT. BRITAIN), LTD., Chard, Somerset. The Koh-i-Noor Allwrite No. 1555 is claimed to write well on paper, tin, glass, metal, pottery and plastic containers. — The Swan All-Stabilo pencil, which writes on transparent film and glazed surfaces, is now being marketed in six colours: Red, white, blue, black, yellow and green. The original black-lead version was introduced in 1959 by the Plastic Packaging Division of Gordon & Gotch, Ltd., 75 Farringdon Street, London, E.C.4.

**Window Condensation Overcome.** — Claimed to overcome the problem of condensation on shop windows, a "demister" recently introduced by Holmes & Co. (Harrogate), Ltd., 43 Crossways Crescent, Harrogate, Yorks, comprises a small impeller which draws air in over the driving motor. The motor warms the air which is then discharged almost tangentially from the casing rim of the demister, sweeping the window. Messrs. Holmes claim that "not a watt of power is wasted—even the heat-losses of the motor are used to good effect. "For 25 watts input the surface cleared by the demister is 12 x 8 ft. The impeller is of aluminium and the casing is finished in polished chromium. The overall diameter is 8½ in.

**Signwriting by Transfers.** — A new "do-it-yourself" letter transfer system, Pyroprint, specially designed for signwriting, has been introduced in this country by Pyroprint, Ltd., 8 Chepstow Place, London, W.2. Developed in South Africa, Pyroprint is claimed fast to apply, and to adhere permanently to all clean dry surfaces. It may be used for window displays, notice boards, etc. Capital and lower-case letters are available in eighteen type faces and seven colours (yellow, green, blue, red, gold, black and white). Type faces are from ¼ to 6 in. A sheet of Pyroprint in one style contains a balanced alphabet

with an average of ninety letters, including numerals and punctuation marks.

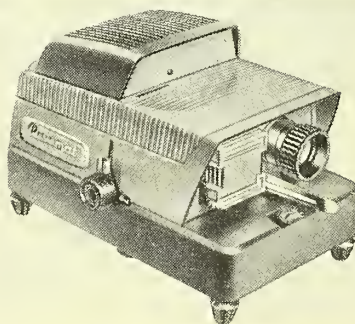
**Easier Shopfitting.** — Handy Angle, Ltd., Grand Buildings, Trafalgar Square, London, W.C.2, recently carried out a shop-fitting installation at a Brighton shop [not a pharmacy] at a total cost of £37. The work included fitting the shop interior, windows, and storage accommodation at the rear. The total material used consisted of three packets of Handy Angle, 1½ x 1½ in., four packets of 8-in. shelves and two packets of plastic glazing strip. That gave sufficient material for two counters-cum-showstands; one 8 ft.

## PHOTOGRAPHIC NOTES

**Containers for Slides.** — Johnsons of Hendon, Ltd., Hendon Way, London, N.W.4, offer a wooden slide box with reversible slide separators to take either 216 card mounts or 136 plastic or metal mounts or a mixture of both; and a Colorthene slide box to hold sixty mounted slides. Each has card index in lid.

**Cine Tripod.** — Designed especially for the cine user is a new addition to the Linhof range of tripods marketed by Pullin Optical Co., Ltd., 93 New Cavendish Street, London, W.1. A permanently mounted pan-and-tilt head is incorporated. When the tripod legs are extended and locked, a convenient working height is quickly reached.

**A 500-watt Slide Projector.** — A newcomer to the ranks of the Aldis 2 x 2-in. slide projectors is the "505," introduced recently for the manufacturers by Neville Brown & Co., Ltd., 77 Newman Street, London, W.1. Similar in appearance to the "303" model, the "505" is designed for 500-watt illumination. It has an improved cooling system to dispel the extra heat generated by the larger lamp, and a modified optical system.



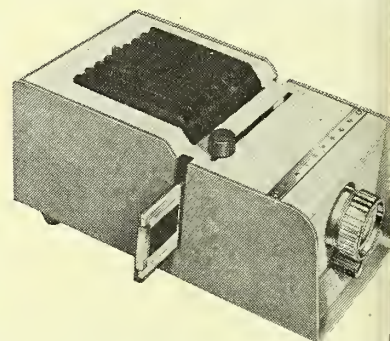
The Paximat S fully automatic projector with remote control giving slide change at the touch of a button. Suppliers are Pullin Optical Co., Ltd., 93 New Cavendish Street, London, W.1.

**A New Range of Colour Filters.** — Ilford, Ltd., Ilford, Essex, announce a new range of colour filters, for the Sportsman range of cameras. The filters are an ultra-violet absorbing, a light yellow and a medium yellow. They are set in compact, spun aluminium mounts, of 32-mm. diameter and

long, 2 ft. 6 in. high, 2 ft. 6 in. wide at the top and 2 ft. wide at the bottom. The other 4 ft. long, 3 ft. high and 2 ft. wide. The show counters were constructed on a framework of Handy Angle and face with the new Handy Angle plastic glazing strip. Covering material used included Formica-top chipboard, reeded chipboard and glass for the display sections. In addition to the two counters, the company supplied material for partitions at the rear of the shop. They were constructed of 1½-in. slotted angle and plastic board; shelving directly behind counters, and display shelves in windows. The latter items were built with 1½-in. slotted angle uprights, with cantilever arms supporting plate glass shelving.

they incorporate adjustable lugs to compensate for slight variation in diameter of lens mounts. No increase in exposure is necessary for the ultra-violet filter. An increase of 1½ times is required for the yellow and 2 times for the medium yellow. The filters are packed in clear plastic, snap-shut containers.

**Projector with New Features.** — The new Paterson projector which is suitable for all 2 x 2 in. slides includes Bantam and 4 x 4 cm., and which



incorporates several new features, giving an amazingly brilliant projection from a 150-watt lamp. The features include a heat filter of extra thick glass mounted between the condensers to minimise "popping" of slides; extra ventilating grille and double-wall lamphouse construction to ensure the casing never becomes unduly warm; a rapid change slide carrier; external lamp adjusting lever; and cable storage compartment. It becomes available during September from R. Hunter, Ltd., 51 Gray's Inn Road, London, W.C.1.

**Capacitor Flash-gun.** — The Ilford Sportilux capacitor flash-gun was introduced by Ilford, Ltd., Ilford, Essex, and uses capless flash-bulbs. It is suitable for any camera fitted with accessory shoe and a coaxial flash socket. The semi-polished reflector has a diameter of 3½ in. A cut-out exposure guide on the carton gives the aperture settings required when using either PF5 flash-bulbs with Ilford FP3 and HP3 films. Used bulbs are ejected by depressing a small stud. Sportilux measures 3½ x 4 x 1½ in. and weighs 3 oz.

# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

## Doctors and Their Pay

To allocate £22½ millions justly and equitably among the general practitioners in the National Health Service is a problem of no mean magnitude, and no doubt there will be some critics of the recommendations made by the joint working party on general medical practitioners' remuneration (p. 244) on how that sum should be divided among those who are to receive an extra £300 a year. The amount is, of course, additional to an income that averaged £2,222 during 1955-56. However, it must be some consolation to the critics—and to possible recipients—that there is £1 million still to be allocated. That portion of the additional money available for the central pool is to be reserved so that further consideration can be given to methods of making the best possible general medical service available to the public, and it is recommended that a further working party of representatives of the medical profession and the Ministry should be appointed to consider the problem. There was a recommendation by the Royal Commission that merit awards ranging from £500 to £1,000 a year, should be made to general practitioners, but the differential payments recommendation differed from the other financial proposals in that the £½ million involved was offered separately, and its acceptance or rejection did not affect the entity of the "package deal" offered by the Government when accepting the Commission's recommendations. The working party has therefore left the merit scheme for separate discussion. Thus there remains at least £1½ millions the fate of which is still in doubt, but of which some must certainly be shared by some general practitioners.

The initial practice allowance is to be paid, on the present conditions, for up to four years at the rates ranging from £1,250 in the first year to £250 in the fourth year, for the purpose of encouraging young doctors to build up practices in unattractive areas, appears to be realistic in its approach. Many young pharmacists would welcome a similar scheme to assist them to develop pharmacies in areas where none exist.

The view that payments for emergency drugs and dressings supplied by non-dispensing general practitioners should be a charge on the pharmaceutical services and not on the central pool would, from a legal standpoint, be difficult to reject. Not less so would be the demand that such payments should be against itemised claims as in the pricing of other prescriptions in the pharmaceutical service—and subject to the system of testing that goes with that service.

## Ensuring the Succession

MANY pharmacists with successful retail businesses would find it stimulating and profitable to ask themselves if those businesses will still be flourishing forty years ahead—in A.D. 2000.

Business survival is almost invariably the result of planning the future of the proprietorship and of creating a competent and continuing staff, however small in numbers. To any who say they are not concerned with the distant future, the answer is that even today's success may depend on the prospect of there being a tomorrow. Continuity helps to create in prospective employees that confidence in the business which gives the proprietor a wider choice of thoughtful applicants. Other things being equal it will also hold their interest and loyalty and encourage long service.

Staff cannot be blamed for not wishing to find themselves, later in life, out of work because the business has been closed, or sold without transfer of staff. They know that the preference for young recruits might make new employment difficult to obtain.

The pharmacist might say that he had already converted his business into a private limited company. That is a desirable step if only to protect his personal possessions from creditors if the business fails. But by itself incorporation provides no certainty of continuity, which may often only be assured if the trader sacrifices some of his personal independence. Naturally, he may hesitate to do that. Through his own enterprise and endeavour he finds himself monarch of all he surveys and in all respects his own boss. Because that position can be pleasant, he may be reluctant to surrender any of his absolute power, even to assure the future of the business. Yet kingship itself depends on succession. To make sure of continuity, the independent proprietor not only usually requires a limited company structure but needs also to provide for the operation of the business when he retires or dies and to take steps to ensure that it does not lose vigour as he and the business become older. It may be that in some cases a son has inherited the pharmaceutical interests of his father and the continuation of the business is assured, otherwise a more usual procedure would be by the acceptance of a partner, admitted within the limited company structure and subject to supplemental agreements providing for disputes or other contingencies which might conceivably arise.

In the future, too, the business need not cease if it has a limited company structure, nor would it be weakened by argument or protracted negotiation. Obviously it would be undesirable for the pharmacist directors to be of the same age in case at about the same time they both died or wanted to retire. There should be an age-gap and the right gap is important. Fifteen years in some cases would not be too wide: fewer than ten might be too narrow. Complementary viewpoints are usually needed, not mere duplication of outlook.

Some difference in talent between partners is a good thing. One partner might usefully be stronger than the other at accounting and stock control, for in profitable operation those talents are as indispensable as knowledge of the other work of the business.

Such steps to ensure continuity, combined with an awareness of the importance of staff, naturally suggest the usefulness of a pension scheme. In a small business

it would be necessary for a scheme of that sort to be operated with an insurance company—subject, of course, to the Government proposals in the pensions field. So long as the legal side of the plan is adequately arranged and the shares suitably distributed, even the proprietor's wife (should he die before her) is likely to come off better because provision can be made for an income. Any death duty shock should be less considerable. Continuity of employment can be offered to staff.

## HOSPITAL PHARMACY FORUM CONTEMPORARY FUNCTION

THE acute shortage of staff and space which exists in many of the less recently-designed pharmaceutical departments can best be illustrated by observing a typical Monday morning scene within the dispensary: bench-tops hidden by the week-end collection of "empties" from the wards; pharmacists, "apoth. halls," assistants and students swarming like ants over perhaps twenty ward stock baskets, here pouring bottle after bottle of paraffin emulsion, there preparing cetrimide solution so that "one tablespoonful diluted to a pint will give a 1 in 200 solution"—the droning hub of activity can be quite overpowering, especially to the nurse gesticulating from the doorway that she has omitted to place her waving winchesters with the morning's order, or to the pitiful throng of out-patients gathered in the primitive dimly-lit waiting room to receive their monthly "repeats."

### Diverse Responsibilities

Overnight announcements of "entirely new concepts" and "medical breakthroughs," having in so many cases taken our physician friends by surprise, have often led to pharmacists being consulted as to the nature and potentialities of such contributions to medical science. The ability to fulfil that function has made imperative a system whereby information in comprehensive amount is available at "fingertip" distance from the inquiring telephone. To meet that need, a combination of the daily deluge of proprietary information (suitably classified in folders or drawers) and a quick-reference source such as a "Guide to New Medicaments" index file, should suffice, bearing in mind that "Martindale" sometimes contains additional information that the physician might consider to be of importance. Valuable as those sources are, they demand study of wider sources, especially of the medical Press, if they are to be properly assessed. Manufacturers may claim much, but the pharmacist's duties lie in his ability to present an informed, unbiased judgment to the prescriber.

Of course, the rôle of adviser comprises but a fraction of a hospital pharmacist's duties. Like his counterpart in retail practice, the hospital pharmacist is also responsible for ensuring that prescriptions are met correctly and efficiently, and must see that items for ward use are promptly provided, and that nurses are given every assistance in following directions.

Those functions are traditional and basic. They will not pass away overnight but, if the horizons of the pharmacist are set no higher, there is no certainty that even present positions will be maintained.

A department of the hospital that seems to epitomise perpetual activity is the pharmaceutical sterile products unit. In many a large surgical hospital the output of the section can be quite colossal in proportion to its facilities. Apparatus and working conditions are often sadly inadequate, offering little encouragement to young pharmacists desiring to pursue careers as "seniors" in charge of sterile products. Within the unit, the manufacture of life-saving transfusions, etc., is carried out under the pharmacist's

When, in the fullness of time, the present proprietor retires (or dies), his junior director would become senior director and, in turn, himself admit a junior associate. In that atmosphere, the whole business should operate on a more confident note. More people would have a stake in seeing that it survived until A. D. 2000. Furthermore, with the sharing of responsibility, and the possibility of more time for leisure under the suggested arrangements, there is the possibility of more retail pharmacists enjoying survival in 2000 plus.

direction, a comprehensive theoretical and practical background having led to his being accepted as the person best entrusted with that exacting procedure.

The invaluable services of the hospital pharmacist in that connection deserve greater recognition than they have apparently received so far by the Ministry of Health. They should be given full weight in the appointment of supervisors for central sterile supply departments. Even medical opinion, which has seemed hitherto to have been indifferent to the claim of pharmacists as being the right people to take charge of such departments, may be coming round to accepting that claim, as witness an editorial comment in the *Lancet* (August 13, p. 354):

"A central sterile supply department should be accorded the same degree of autonomy as the pharmacy, and the supervisor should be of suitable professional status. Most departments are supervised by a senior male or female nurse. Such a choice is rational, and is regarded as essential by most members of the nursing profession. But at a recent symposium on sterilisation procedures, members of other professions argued that the pharmacist, with his training in sterilisation processes and microbiology, was the most suitable supervisor."

Whether the *Lancet* is justified in maintaining that supervision by a nurse of departments other than theatres and wards is indeed rational is open to question. However, recognition that another point of view exists may be the first step towards acceptance of the arguments of the "other professions."

## NEW BOOKS

### Textbook of Pharmacognosy

T. E. WALLIS, D.Sc.(LOND.), F.R.I.C., F.P.S., F.L.S. *J. & A. Churchill, Ltd.*, 104 Gloucester Place, London, W.1.  
8½ × 5½ in. Pp. xi + 640. 50s.

THE fourth edition of this well known pharmacognosy textbook contains nearly 100 pages more than the third edition which appeared five years ago. Two new chapters have been added which give, among other things, detailed schemes for describing the morphological characters of the drugs and a series of tables so arranged as to provide a comparative view of their histological characters when in powder form. Considerable work on the active ingredients of crude drugs has been carried out since the last edition and numerous changes have been made in the text.

### Drug Guide 1959

DR. E. F. STEINMETZ, 347 Keizersgracht, Amsterdam, Holland. 8½ × 6 in. Pp. 240 (approx.). 28s. 9d.

THE author, who only recently completed the third volume of his "monumental" *Materia Medica Vegetabilis*, has now published this new guide to crude drugs. With references to many of the traditionally used medicinal drugs fast disappearing from modern pharmacognosy books to make way for new synthetic products, it is good to be able to turn up information on them, brief though it is, when required. The guide is divided into seven sections with indexes where required. One section lists companies dealing in botanical drugs and spices (English addresses are sadly lacking).

# Onward from Galen

## A CURRENT CAUSERIE

ANOTHER group photograph of pharmacy students during their college year has been sent to us with a request for help in identifying some of them. The students this time are of the "Square,"

vintage 1921, and from "internal" evidence they were photographed outside the Pharmaceutical Society's headquarters. The three in the back row are Fleming (initials forgotten by our informant), H. R. Hudson and D. Stephenson. Five of the second row are known: E. H. Shields (left), J. H. Hart, P. H. Woodnoth, G. F. Jones (fifth from left) and F. H. Newman (extreme right). In the front row in sequence are the Misses P. M. Osborne (third from left), Kitchingman, E. Woodward (Mrs. Kassner), N. P. Storey, and H. C. M. Winch; and Messrs. L. G. Matthews, C. T. Hines and F. J. Dyer. Generations of Old Square students will no doubt spot "Morgan" in full-dress uniform as an extra to the student group.



★ WHEN Sidney Rogerson, public-relations officer of the Wellcome Foundation, Ltd., was a boy of seven he met Wilfred Rhodes, the great Yorkshire cricket all-rounder. He remained an admirer, and recently published a book: "Wilfred Rhodes, Professional and Gentleman" (Hollis & Carter, price 18s.). In it he surveys the career of the cricketer, many of whose records still stand. Besides visiting Rhodes at Bournemouth, Rogerson was fortunate in having a grand-daughter of Rhodes as secretary.

★ PHARMACY students of today, who find their curriculum leaves them little time except to concentrate on their studies, must find it hardly credible that entrants to pharmacy in the bad old days of 8 a.m. to 9 p.m. (working later on Saturdays and with Sunday duties thrown in), still found time for leisure activities as well as for studies that eventually led to a qualification. Yet they did. A correspondent who signed himself Octogenarian sent us recently his "memories of the lighter side of a 'prentice's life in the '90's." "I was apprenticed," he wrote, "to a friend of the family in a small Midland town for four years. Finding recreation was easy but the time available was limited to alternate Wednesdays from mid-day or 5 p.m. Until my third year Sundays were free, and winter entertainment was chiefly whist parties, attendance at choral society rehearsals and a very occasional dance (band: two violins and a piano). Benson [Sir Frank Benson the Victorian actor-manager] prompted educational expeditions on bicycles, as did also Edward Compton's Comedy Co. ("The Elder Miss Blossom," etc.), and the Mop hiring fair was always a welcome diversion, for Sequah performed apparent "miracles" on well known incurables by getting them to throw away their crutches, etc., and dance on the platform. Next day they were as bad as ever! We sold his famous Prairie oil for weeks after his departure. Fishing was always a great attraction and often entailed getting up in the very early hours, brewing tea and cycling two miles—returning in time to open at 8 a.m. My master was a keen sportsman, and a red letter day was when he took me by train to help the beaters. Sheep-dipping was always a welcome break. The porter and I took our own dipper and drainer—horse drawn. We were always given high tea by the farmer's wife and sometimes some butter. The week's holiday—without pay—was generally spent fishing. The friendly farmer-water bailiff put us up and fed us, stipulating we were to help on the farm when it was

too sunny to fish. One year I went to stay with friends at a racing stable and after a few days fancied myself as a

Tom Loates or a Morny Cannon [successful jockeys of the period] only to be told 'You couldn't ride one side of a horse.' . . . I wonder if present-day apprentices, with all the money and facilities provided, enjoy themselves as much as I enjoyed my hard-earned leisure." Answer that, you present-day registered students.

## MEDICAL ABSTRACTS

### TREATMENT OF BARBITURATE POISONING

HOSPITAL treatment of severe acute barbiturate poisoning by a process of forced diuresis and alkalisation of the urine was the subject of an original article published in *Lancet* (August 13). Fourteen patients were selected for treatment, of whom thirteen were in a state of deep coma when admitted, the remaining one being a chronic addict in a milder state of unconsciousness. Therapy was based on the fact that cerebral depressants are highly diffusible substances, hence diuresis would cause increased renal clearance and a consequent fall in the plasma-barbiturate level. Five different barbiturates were involved in the cases under review, and the success of diuretic administration was illustrated by the fact that treatment, which lasted for an average of forty-two hours, reduced the initial period of unconsciousness sometimes to one-third of that exhibited by "control" patients undergoing traditional forms of therapy. Treatment commenced with a subcutaneous dose of sodium bicarbonate, given to correct any negative water balance arising from a long period of unconsciousness. There followed a series of hourly transfusions of urea (15 per cent. solution) in dextrose-sodium lactate solution rendered isotonic with potassium chloride, which continued until the blood-urea level reached a given level and diuresis attained the rate of 500-800 mls per hour; the urea was then omitted from subsequent transfusions, which were administered until the patient responded to questions (i.e., uttered "yes" or "no"), whereupon liquid was given orally. Thirteen patients recovered from intoxication, the one fatality resulting from a pulmonary embolism. One of two complications that arose during treatment was an increase in venous pressure which, however, was well tolerated in the majority of cases. A more serious condition, acute dehydration, resulting from uncontrollable massive urinary output (1,500 mls per hour), developed in one patient, and led — some weeks after hospitalisation — to intracranial hæmorrhage. Dehydration during treatment was eventually retarded by omitting the dextrose from the transfusion solution, and administering insulin; thus the condition could be termed a case of gross glucosuria. The author of the article concluded by referring to a published table of clinical data, which showed beyond doubt that combined diuretic and alkalising therapy caused rapid elimination of barbiturates from the body.

*Many pharmacists attending the International Pharmaceutical Federation Assembly and International Congress of Pharmaceutical Sciences in Copenhagen August 29 to September 2 will no doubt take the opportunity of visiting one of the many impressive Apoteks in the City.*

## PHARMACY IN DENMARK

### A system of licensing and how it operates

**T**HE first statutory provisions controlling apothecaries in Denmark were embodied in the Medicine, Apothecary, and Surgery Decree of January 10, 1619. Not until 1672 was the first Act proper dealing with the apothecary service published in the form of a Royal Decree dated December 4 of that year. That Act governed Denmark's apothecary service until 1913, when it was replaced by a new Act which, however, had a relatively short life, being repealed in 1932 and replaced by an Act which, in turn, after twenty-two years, was replaced by the present Act of June 11, 1954.

The Act of 1954 lays down that the highest authority of the pharmaceutical service is the Minister of the Interior, who is in charge of the health services of the country as a whole. The Minister of the Interior supervises the health services and exercises his powers through a special institution which comes under the direct authority of the Minister and is called the National Health Service of Denmark. The service has, among other things, a pharmacy department headed by a licensed pharmacist, who is assisted by a pharmacy-employed pharmacist acting in a consultative capacity. The Pharmacy Act empowers the National Health Service to lay down detailed rules governing Denmark's pharmaceutical service.

From a commercial point of view, a pharmacy holds a preferential position in Denmark, being based on a system of privileges. A pharmacy may be established (or discontinued) only under a Royal Decree. Hence the authorities determine the number of pharmacies and their location. In 1959, Denmark had a total of 354 pharmacies and twelve hospital dispensaries scattered throughout the country (population 4.3 millions). Where required, a pharmacy may be given permission to establish a shop for the sale of such prepacked products as the pharmacy is entitled to stock, and for the dispensing of which no prescription is required. Such shops, totalling 821 at present, also receive prescriptions, which are sent to the pharmacy, whereupon the preparation is forwarded to the shop for handing to the customer. All products dispensed by such a shop must be packed in such a way that the customer can satisfy himself that the pack has not been opened before delivery.

In order to facilitate the population's access to medicines, the Minister of the Interior may—in places where there is no pharmacy—allow doctors to supply their patients with medicaments and dressing materials in standard, sealed packs obtained from a pharmacy. The above rule also applies to veterinary surgeons, who may also be allowed to prepare medicines on a small scale ("dispensing veterinary surgeons").

#### *Prescribed Layouts for Pharmacies*

In a *Layout and Operation of Pharmacies Circular*, the National Health Service has laid down specific rules under which a pharmacy must have a certain number of rooms of a certain size, and those rooms must be laid out and equipped in a prescribed way. The pharmacy must also have at its disposal such apparatus as is provided for in the *Pharmacopœia Danica*. The circular lists the formularies, manuals and files that must be available at pharmacies as well as laying down, as already mentioned, rules governing the layout and equipment of the shops.

The licensed pharmacist is under obligation to keep his pharmacy open day and night, in the sense that the Minister

of the Interior decides on the number of hours pharmacies must stay open beyond the normal business hours. Accordingly, in places where there are several pharmacies, he may decide that only one or some other number of them need stay open at night or during holidays. In places where because the district is sparsely populated, there is only one pharmacy, a pharmacist need not necessarily be on duty at the pharmacy at night or during holidays but must be on call.

A licensed pharmacist has not only been granted permission to dispense medicine. It is his duty to stock or to make immediate efforts to obtain any medicine that may be prescribed; and he must stock those items that only pharmacists are allowed to sell. The range of those items is fixed by a committee set up by the Minister of the Interior which also prepares and keeps up-to-date lists of such medicaments as may be sold by non-pharmacy retail shops. Only licensed pharmacists are entitled to sell medicament not on that second list.

Medicaments sold at pharmacies fall naturally into two groups: pharmacy-prepared products, and specialities. All Danish pharmacies prepare such items as injections, tablets, eye and ear lotions, tinctures, ointments, etc., that are official in the Danish *Pharmacopœia* (Ph. Dan. 48). The *pharmacopœia* is prepared by a committee on which are doctors, veterinary surgeons and licence-holding and other pharmacists. Pharmacy-prepared medicines total about 50 per cent of all medicines ordered on prescription.

#### *Controls of Imported Products*

"Controlled" wholesalers of chemicals and drugs when taking delivery of goods from abroad or from Danish chemical factories must subject the goods to a thorough control, and must satisfy themselves that the products comply with all the requirements laid down by the *pharmacopœia* or other formulary. A pharmacist buying from such a wholesaler needs only to make an identity check on the goods but if he takes delivery of products from an "uncontrolled" firm of wholesalers, the licensed pharmacist must himself perform the same careful tests as the approved wholesalers are required to perform. All Danish pharmacies charge the same prices because the authorities fix the price of medicine and similar products, the tariff being confirmed by Royal resolution. Neither higher nor lower prices than those laid down in the tariff may be charged.

Medical specialities may be sold only if they are listed in the register of specialities published by the National Health Service, and only such specialities as satisfy certain requirements laid down in the Pharmacy Act are included in the register. Only one speciality, or at the most a few, specialities having the same active components may be listed in the register and listing is for a limited time only. According to the Act the prices of specialities—which the Act lays down must be "reasonable"—are stated in a tariff published by *Danmarks Apotekerforening* and issued to all pharmacies.

Pharmaceutical inspectors—at present seven—appointed by the National Health Service watch that the pharmacies, the controlled laboratories, and the controlled wholesale firms conform to the rules. For the purpose of carrying out the supervision, the inspectors accompanied by the county medical officers (in Copenhagen by the city officer of Health) visit each pharmacy at least once a year to examine, among other things, whether the premises are clean and in proper

order. A number of the products and the preparations of the pharmacy are tested on the spot, while others are taken to the inspectors' laboratory for further examination.

Under the Pharmacy Act, licensed pharmacists and pharmaceutical factories are prohibited to advertise, directly or indirectly, products as being preventive or active against symptoms of illnesses or against diseases unless the advertisement is exclusively directed to physicians, surgeons, dental surgeons, veterinary surgeons or pharmacists. The Minister of the Interior has set up a board consisting of representatives of, among others, *Danmarks Apotekerforening*, the Danish Medical Association, the National Health Insurance scheme, the pharmaceutical factories, and the Press, to make recommendations on N.H.S. matters.

### Charges and Dues

Licensed pharmacists pay to the Pharmacy Fund (a special institution under the Minister of the Interior), a number of charges, including a fixed charge (basic charge), a sales charge based on the total sales of the pharmacy (sales charge) and a net charge based on the profit of the pharmacy. Pharmacies opened before January 1, 1948, must pay a basic charge of 5 per cent. on the amount by which the 1948-50 average net sales (gross turnover less discounts) of the pharmacy concerned exceeded kroner 150,000 (£7,700 approximately). Pharmacies opened after January 1, 1948, pay the basic charge only as from and on the completion of the full fourth calendar year after they were opened. The charge is then made at the rate of 5 per cent. on the amount by which the net sales of the pharmacy concerned exceeded Kr. 150,000 in the third full operational year, provided that the net sales figure is reduced or increased in the same proportion as the average net sales of all pharmacies in the year concerned, exceeded or were less than their 1948-50 average net sales.

The sales charge is at the rate of 4 per cent. on the gross turnover of the pharmacy in the calendar year concerned, less (a) sales to other pharmacies; (b) sales of "vital" medicine; (c) Kr. 150,000; (d) three times the discounts granted and expenses incidental to the collection of book debts.

The net charge is paid on the amount of profit earned in excess of Kr. 20,000. On the first Kr. 10,000, 30 per cent. is paid; on the next Kr. 20,000, 40 per cent.; and on the balance, 50 per cent.

Out of the money received in that way, the Pharmacy Fund grants subsidies to pharmacies whose net turnover is less than one-half of the average net turnover of all pharmacies in the preceding year. The subsidy equals 10 per cent. of the amount by which the net turnover of the pharmacies falls short of one-half of the average turnover. If, by reason of the subsidy granted, the profit of a pharmacy exceeds Kr. 18,000, the subsidy is reduced by one-half of the amount by which the profit would exceed Kr. 18,000.

The Pharmacy Fund also grants subsidies to offset abnormally high rents, and licensed pharmacists are also refunded one-half of their establishment and maintenance expenses. The Fund also pays a part of the pensions of the licensed pharmacist and the pharmaceutical staff of pharmacies; makes grants for the purpose of reducing the price of important medicine and defrays the costs of the publication of the Danish Pharmacopoeia and the operation of the laboratories of the National Health Service.

### Licensed Pharmacists

On being granted a licence to operate a pharmacy, the licensed pharmacist must take over the equipment and stock of the pharmacy, and in certain instances also the property in which the pharmacy is located. The money required for the purpose is generally borrowed from the Pharmacy Fund.

A Royal licence is required for the purpose of engaging in the profession of a licensed pharmacist. Until 1842, the licences were called "real" licences, for example, they

could be bought, sold or inherited from one generation to the next. In that year the authorities began introducing the "personal" licences, which are granted upon application, and which cannot be sold or inherited; today all licences are "personal."

When the post of a licensed pharmacist becomes vacant, it is advertised by the National Health Service. Applications are submitted to a promotion board made up of two members (one representative of *Danmarks Apotekerforening* and one of the *Dansk Farmaceutforening*). The promotion board makes a statement to the National Health Service giving the five most qualified applicants in numerical order. The National Health Service then sends its recommendations together with those of the promotion board to the Minister of the Interior. To become a licensed pharmacist, the "provisor" (every qualified bachelor of pharmacy, working as assistant at a pharmacy, is called a "provisor") must hold a Danish degree in pharmacy and be a Danish citizen resident in Denmark. He should have completed two years' service as a "provisor" at a Danish pharmacy or hospital dispensary, and be under fifty years of age.

At present, there are substantially more applications than vacant posts, so the age of promotion is close to fifty years. The licence is withdrawn when its holder reaches the age of seventy. While holding a licence, a pharmacist may apply for transfer from one pharmacy to another. Licensed pharmacists must be members of a pension scheme, which all pharmacists employed in pharmacies are under obligation to join in their twenty-seventh year. The pension paid to licensed pharmacists amounts to about Kr. 17,000 a year.

The licensed pharmacist is the owner of his pharmacy, and he must direct its operation and supervise such "non-compounding" shops as belong to his pharmacy. The Pharmacy Act provides that each pharmacy shall have at least one "provisor" but the National Health Service may in certain circumstances grant exemption from that rule.

In his absence, the licensed pharmacist must be represented by a pharmacist and if away for more than eight days he must report to the county medical officer. In his absence for more than eight weeks, his pharmacy must be directed by a manager who must satisfy the conditions for being granted a pharmacist's licence, and whose appointment must be approved by the National Health Service. Permission to appoint a manager to direct a pharmacy is not granted for more than two years. Under the Pharmacy Act, the licensed pharmacist must keep detailed accounts of his turnover for the purpose of assessing the charges dealt with above.

The authorities have approved of licensed pharmacists earning an average annual income of about Kr. 42,000 (1960).

### Employed Pharmacists

The "provisors" (see above) are organised in the *Dansk Farmaceutforening* (about 1,200 members), whose object is to promote the professional and social development of the qualified bachelor of pharmacy. That organisation and *Danmarks Apotekerforening* have made an agreement on salaries and conditions of employment, rules governing such social benefits as sick and maternity benefits and unemployment benefits. The agreement also lays down specific rules about holidays, terms of notice, working hours, etc.

The salary of a "provisor" is made up of a basic salary, a seniority salary, possibly pay for service at night and on holidays, and allowances for rises in the cost-of-living index. Seniority is reckoned from the time when the pharmaceutical undergraduate has passed his first part of the final examination.

There is a special agreement on salaries and conditions of employment for pharmacists above the age of fifty who have not been granted a licence to operate a pharmacy. They are entitled to shorter hours without any reduction in their pay according to the following rules:—

50-55 years, forty-two hours per week; 55-60, thirty-nine; more than 60, thirty-six.

Such pharmacists are also paid a supplementary salary and are given greater protection against dismissal.

However, the licensed pharmacist's salary expenditure is not affected by the seniority of the pharmacists on his staff. A special fund (the Salaries Fund) has been established for the purpose of equalising the differences in salaries paid to junior and senior pharmacists, claiming from or refunding to the licensed pharmacist the difference between the salaries paid by him to his pharmacists and a basic average salary of the pharmacists employed.

The present scale of salary earned by a full-time "provider" for a forty-five-hour week is as follows:

Years of Service:	Monthly Salary in Kroner:
3-4	1,305
5-7	1,433
8-10	1,560
11-13	1,688
14-16	1,815
17-19	1,943
More than 19	2,070

Pharmacists pay to the compulsory pension scheme 5 per cent. of their pensionable income.

Pharmaceutical training comes under the supervision of the Minister of Education, and detailed rules are laid down in a number of Orders. The Minister of the Interior decides on the annual number of apprentices to be recruited for employment at pharmacies. Next, *Danmarks Apotekerforening* makes inquiries to ascertain which licensed pharmacists want to employ apprentices, and an Apprentices Board made up of five members (two representatives of the National Health Service, one of the Royal Danish School of Pharmacy, one of *Danmarks Apotekerforening*, and one of *Dansk Farmaceutforening*) then decides which pharmacies shall be entitled to employ new apprentices, bearing in mind the production and staff of the pharmacies concerned.

Apprentices going in for pharmaceutical studies must have passed the General Certificate of Education examination (Advanced Level) science side, a Latin test or another examination of similar standard.

The pharmaceutical training normally takes five years, beginning with a two-year first part comprising practical and theoretical training in pharmacy work at a pharmacy. At the end of the first part, the so-called apprentice examination is held. The second part consists of a three-year

comprehensive scientific study at the Royal Danish School of Pharmacy, at the end of which a Bachelor of Pharmacy examination is held. That examination includes papers and oral tests in such subjects as galenic pharmacy, inorganic and organic chemistry, physical chemistry, chemistry of drugs, physics, botany, bacteriology, pharmacognosy, biological determination of potency, and physiology. By continuing his studies, a Bachelor of Pharmacy may in the course of two or three years obtain the degree of Lic. Pharm. Finally, a Bachelor of Pharmacy may carry out independent studies for the purpose of qualifying as Pharm.D.

### Unqualified Helpers

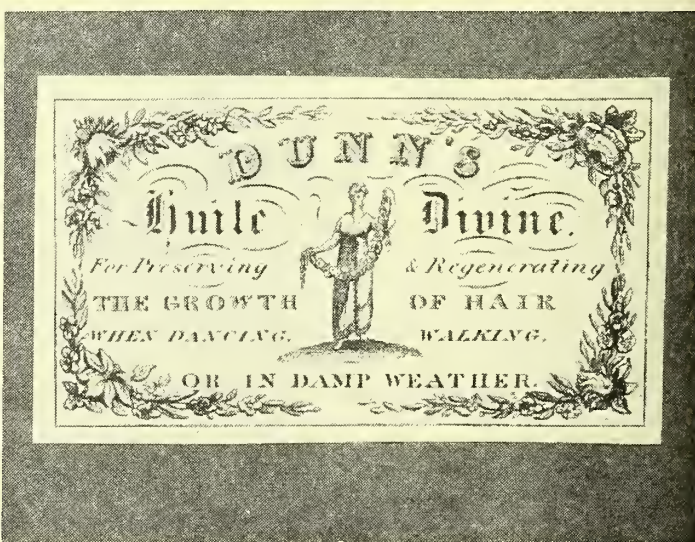
In addition to the pharmaceutical staff of pharmacies, there is a technical staff consisting of male and female assistants, female helpers, and unskilled staff. Assistants receive a four-year theoretical and practical training at pharmacies, almost of the same standard as that of the apprentices' first year. Their final examination gives them no right to compound and dispense medicine. The female helpers receive general commercial training for three or four years.

Danish pharmacies employ about 2,500 male and female assistants, female helpers, and unskilled staff.

The professional society of licensed pharmacists is called *Danmarks Apotekerforening*. The object of the society is to attend to the interests of Danish licensed pharmacists and to those of the pharmaceutical service, and to maintain the co-operation of Danish licensed pharmacists. The number of members is about 420.

At a general meeting in 1922, *Danmarks Apotekerforening* decided to set up a composition board aimed at counteracting the danger of the ever-increasing number of medical specialities that were then being placed on the market. The object was to be achieved by the introduction of new technical aids, for example tablet machines, and by the publication of a collection of formulas containing instructions on new medicaments that could be prepared at pharmacies. Later, *Danmarks Apotekerforening* established a laboratory, which, in the course of time, has been developed into a central laboratory for all Danish pharmacies, and is called the DAK-laboratory.

The DAK-laboratory is now a modern biological, chemical, and pharmaceutical laboratory, which prepares formulas for new medicaments, renders extensive information and consultative services, carries out research, and exercises a thorough control of pharmacy-prepared medicines.



**TWO-PART TREATMENT?:** Though quite unconnected with one another the two labels illustrated might well suggested a combined treatment, to commence with a beautification and strengthening with bears' grease and succeeded by a holding and regenerating operation with the divine oil. Both are from a collection of early nineteenth-century trade cards in the Birmingham reference library.

# CUMULATIVE LIST OF AMENDMENTS TO THE C. & D. Quarterly Price List, June 1

## ● THIS WEEK'S CHANGES ARE GIVEN SEPARATELY AT END

<b>2-Minute Magic</b> (385 DG)	57	0	28	6	9	6	
<b>636</b> (505 Gerard)	1956 C.L.F.	26	0	10	0½	4	0
floral gift set	1957 C.L.F.	31	3	12	7	4	11
<b>Achromycin</b> (746 Lederle)							
capsules 50 mgm	.. 25	10	10ea	..	16	3	TS
.. 100	40	6ea	..	60	9	TS	
250 mgm	.. 16	29	0ea	..	43	6	TS
.. 100	174	2ea	..	261	3	TS	
1000	1682	4ea	..	2523	6	TS	
for ear solution							
vial powder .. 50 mgm	.. 6	10ea	..	10	3	TS	
vial diluent .. 10 cc	..		..				
intramuscular vial							
100 mgm	5	2ea	..	7	9	TS	
4	8ea	..	7	0	TS		
250 mgm	9	8ea	..	14	6	TS	
500 mgm	17	6ea	..	26	3	TS	
ointment 3% 30 mgm ½ oz	4	6ea	..	6	9	TS	
1 oz	8	2ea	..	12	3	TS	
ointment ophthalmic 1%							
10 mgm 6 x ½ oz tubes	6	10ea	..	10	3	TS	
ophthalmic powder							
sterilised vial	5	6ea	..	6	3	TS	
for oral suspension							
1-5 gm	10	10ea	..	16	3	TS	
ophthalmic oil suspension 1% 10 gm/cc							
dropper .. 6 cc	1	10ea	..	2	9	TS	
10 cc	7	4ea	..	11	0	TS	
pediatric drops	40	6ea	..	60	9	TS	
soluble tablets	100	10ea	..	16	3	TS	
syrup .. 2 oz	16	0ea	..	117	0	TS	
16 oz	78	0ea	..	16	3	TS	
tablets 50 mgm	25	10ea	..	60	9	TS	
.. 100	40	6ea	..	60	9	TS	
250 mgm	16	29	0ea	43	6	TS	
.. 100	174	2ea	..	261	3	TS	
1000	1682	4ea	..	2523	6	TS	
troches 15 mgm	25	4	2ea	6	3	TS	
<b>Achromycin V</b> (746 Lederle)							
capsules 250 mgm	16	29	0ea	43	6	TS	
.. 100	174	2ea	..	261	3	TS	
1000	1682	4ea	..	2523	6	TS	
50 mgm	25	10ea	..	16	3	TS	
.. 100	40	6ea	..	60	9	TS	
pediatric drops	10	cc	7	4ea	11	0	TS
syrup .. 2 oz	10	10ea	..	16	3	TS	
16 oz	78	0ea	..	117	0	TS	
<b>Adcortyl-A</b> (1176 Squibb)							
spray .. 50 gm	10	4ea	..	15	6	TS	
<b>Aldis</b> (884 NB) beaded screen							
"Square 40"	..	..	..	119	6		
"Square 50"	..	..	..	159	6		
<b>Alfonal</b> (29 Alfonso)							
corn oil ½ gall	12	0ea	..	15	0		
sunflower seed oil ½ gall	18	9ea	..	25	0		
<b>Altex</b> (339 CG) sanitary towels							
D17	..	..	..	..	..	..	..
D16	..	..	..	..	..	..	..
<b>Ambramycin</b> (70 Aspro)							
capsules 250 mgm	16	29	0ea	..	TS		
60	104	6ea	..	TS			
250	423	4ea	..	TS			
oral suspension 2-5% 60 mils	10	10ea	..	TS			
<b>Amphedrex</b> (195 Brook Parker)							
tablets .. 25	9	0 ..	..	1	2	pls4B	
.. 1000	9	0ea	..	..	..	pls4B	
<b>Amphetamine</b> (1348 JW)							
10 oz	60	0 ..	..	..	..	..	
20 oz	108	0 ..	..	..	..	..	
40 oz	16	0ea	..	..	..	..	
80 oz	28	6ea	..	..	..	..	
<b>Ampins</b> (339 CG) for bee keepers							
box of 3 No. 9B	5	0ea	..	6	3		
box of 5	8	0ea	..	10	0		
<b>Andre Philippe</b> (48 AP)							
after shave lotion 4 oz	15	0	7	6	2	6	
after shave talc puffer	103	15	0	7	6	2	6
<b>Angettes</b> (493 Gambles) tablets							
vitamin A.C.D.	28	0 ..	..	3	6		
<b>Ankle Vigger</b> (608 Henders)							
ankle bandage No. 1	81	0 ..	..	10	6		
X quality natural	66	0 ..	..	8	6		
No. 2	..	..	..	..	..	..	..
No. 3	..	..	..	..	..	..	..
<b>Ann French</b> (655 ICC)							
cleansing cream	15	9	7	11	2	6	
golden tan	18	0 ..	9	0	2	9	
<b>Anthical</b> (814 M&B)							
cream .. 1 oz	20	0	5	0	2	11	
<b>Anusol HC</b> (1310 WW)							
ointment	10	gm	90	0 ..	..	TS	
<b>Apiella</b> (450 Farthing)							
clear skin lotion	6	0z	57	0	27	10	9
vitaliser plus	2	0z	252	0	122	10	42
<b>Aprinox</b> (147 Boots)							
tablets 2-5 mgm	100	11	6ea	..	15	4	
.. 500	52	0ea	..	69	4		
5 mgm	100	19	3ea	..	25	8	
.. 500	92	9ea	..	123	6		

<b>Artane</b> (746 Lederle)							
elixir .. 16 oz	9	10ea	..	14	9		
tablets 2 mgm .. 100	7	0ea	..	10	6		
.. 1000	58	6ea	..	87	9		
5 mgm .. 100	14	0ea	..	21	0		
.. 1000	116	2ea	..	174	3		
<b>Asmaval</b> (378 DCBL)							
tablets .. 25	24	0 ..	..	3	0	pls4B	
.. 100	72	0 ..	..	9	0	pls4B	
<b>Aureomycin</b> (340 C of GB) powder 2%							
puffer 15 gm (vet)	66	0 ..	..	TSVPO			
ointment 3% ½ oz (vet)	42	6 ..	..	TSVPO			
ophthalmic ointment 1% ½ oz (vet)	16	0 ..	..	TSVPO			
<b>Ayrotabs</b> (78 AS&Co)	50	40	0	10	0	6	4
<b>Ayrtan</b> (78 AS&Co) tablets							
iron, vitamin and yeast (Ivy)	16	0 ..	..	2	0		
face cloths 'Smart Set'	301	18	0 ..	2	6		
hot water bottle 'The Argosy'	52	0 ..	..	6	6		
scissors toe nail Edgware	..	..	..	..	..	..	..
.. 401	..	..	..	..	..	..	..
tower display ..	..	..	..	..	..	..	..
<b>Baghari</b> (Piguet) (1201 Supravite)							
perfume (atomiser) .. ½ oz	27	6	13	9	56	6	
<b>Bandit</b> (Piguet) (1201 Supravite)							
perfume (atomiser) .. ½ oz	29	6	14	9	60	6	
<b>Barbeville</b> (1348 JW)	.. 5 oz	48	0 ..	..	..	..	..
20 oz	15	0ea	..	..	..	..	..
80 oz	53	0ea	..	..	..	..	..
<b>Barnet</b> (617 Holloway)							
ladies brush sets Duetto	A11	61	4	15	4	6	11
.. A13	86	4	25	2	12	11	
.. A14	109	0	27	3	15	11	
.. A15	128	0	35	0	16	11	
.. A16, A17	..	..	..	..	..	..	..
Annette	A29	61	4	15	4	8	11
A30	102	0	25	6	14	11	
Juliette	A31	64	8	16	2	9	6
A32	109	0	27	3	15	11	
Colette	A33	40	6	10	1½	5	11
babies brush sets	A27	26	10	6	8½	3	11
.. A28	35	8	8	5	4	11	
.. A35	32	8	8	2	4	11	
gents brush sets	..	..	..	..	..	..	..
<b>Barlex</b> (477 AF&B)							
superlens clipovers	..	..	..	..	7	6	
superlens sunglasses	..	..	..	..	7	11	
..	..	..	..	..	12	9	
..	..	..	..	..	15	11	
<b>Basket of Flowers</b> (1070 Windsor)							
toilet soap .. 2112	58	0	13	9	7		
gross	gross	gross	gross	gross	gross	gross	gross
<b>Becosed</b> (901 Norton)							
elixir .. 16 oz	96	0 ..	..	..	..	..	..
.. 80 oz	348	0 ..	..	..	..	..	..
<b>Becosym</b> (1074 Roche)							
tablets .. 500	130	0 ..	..	16	3		
<b>Bedeman</b> (102 CB)							
lemon cream shampoo	21	9	5	5½	1	0	
3 doz	3 doz	3 doz	3 doz	3 doz	3 doz	3 doz	3 doz
<b>Benerva Compound</b> (1074 Roche)							
tablets .. 500	64	0 ..	..	8	0		
.. 1000	108	0 ..	..	13	6		
<b>Better Off</b> (385 DG) tube							
for the face ..	66	0	33	0	11	0	
for the legs ..	54	0	27	0	9	0	
<b>Biotta</b> (612 Hobson)							
vegetable juice							
carrot, beetroot, tomato	85	6 ..	..	9	6		
celery	89	3 ..	..	9	11		
<b>Bisodol</b> (655 ICC) powder							
tablets 30	30	3	7	7	4	0	
.. 100	15	2	3	10	2	0	
.. 360	36	0	9	0	4	9	
<b>Breck</b> (1169 GS & S)							
Elimin shampoo	41	0	10	3	5	11	
hair set mist aerosol	75	0	37	6	12	6	
16 oz	126	0	63	0	21	0	
<b>Broxil</b> (1393 BRL)							
syrup .. 60 mils	222	0 ..	..	18	6	TS	
tablets 125 mgm	24	192	0 ..	24	0	TS	
250 mgm	352	0 ..	..	44	0	TS	
125 mgm	12	..	..	..	..	..	..
250 mgm	12	..	..	..	..	..	..
<b>Buto</b> (128 Biometica)							
hair remover ..	13	6	6	9	2	3	
<b>Calcipen-V</b> (147 Boots)							
125 mgm .. 60 mils	106	0 ..	..	13	3	TS	
<b>Calypso</b> (Piguet) (1201 Supravite)							
perfume (atomiser) .. ½ oz	31	6	15	9	65	0	
<b>Camyna</b> (969 Pfizer)							
lotion .. 20 mils	4	0ea	1	0ea	7	0	
tincture .. 20 mils	4	3ea	1	0ea	7	6	
<b>Caphedrodine</b> (211 Butler)							
16 oz	174	0 ..	..	21	9		
80 oz	840	0 ..	..	105	0		
<b>Carbo-resin</b> (413 Lilly)	.. 1 lb	..	..	..	..	..	..
Carboxymethylcellulose (746 Lederle)							
jelly 4-5% .. 15 cc	2	4ea	..	3	6		

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<b>Carters</b> (1003 PP) little liver pills	9 7	2 5	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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eye cosmetic & brush	60b	28	0	14	0	4	8		
block only ..	60a	16	0	8	0	2	8		
fluorescent u.v. make-									
up ..	106	60	0	30	0	10	0		
greasepaint ..	105	96	0	48	0	16	0		
form C—standard sticks		12	0	6	0	2	0		
gold and silver ..		21	0	10	6	3	8		
form E—short hunt									
liners ..		9	0	4	6	1	8		
form G—short liners		9	0	4	6	1	6		
form H—carmine liners		12	0	6	0	2	0		
heating cosmetic ..	486	24	0	12	0	4	0		
silver and gold ..	486	28	0	14	0	4	8		
hair powder ..	121	21	0	10	6	3	8		
"Kamera Klear" cinema									
make-up ..	501	28	0	14	0	4	8		
negro black ..	1433	18	0	9	0	3	0		
nose putty ..	257	14	0	..	..	1	9		
"Spot-Lite" "Klear"									
make-up ..	500	28	0	14	0	4	8		
gold and silver ..		66	0	33	0	11	0		
finishing powder ..	300	30	0	15	0	5	0		
large ..	301	45	0	22	6	7	8		
pencil in wood ..	46/2	10	0	5	0	1	8		
pencil in paper ..	46	16	0	8	0	2	8		
spirit gum mastic ..	78	10	0	5	0	1	8		
substitute ..	165	30	0	..	..	3	9		
"Tan Klear" ..	1065	14	0	..	..	1	9		
tinsel powder ..	641	24	0	12	0	4	0		
tooth enamel, black ..	640	36	0	18	0	6	0		
white, Ivory ..	123	20	0	10	0	3	4		
Le Muguet Fleuri (981 Picot)	433	24	0	12	0	4	0		
perfume .. miniature		33	0	16	6	5	8		
1 oz	105	100	0	52	6	17	8		
1 oz	195	0	97	6	32	8			
1 oz	360	0	180	0	60	0			
2 oz	630	0	315	0	105	0			
Lestreflex (347 Dalmas) elastic diachylon bandage									
3 in x 3 yd	58	8	..	..	6	10			
4 in x 3 yd	76	9	..	..	9	0			
Le Train Bleu (981 Picot)									
perfume .. miniature		33	0	16	6	5	8		
1 oz	105	0	52	6	17	8			
1 oz	195	0	97	6	32	8			
1 oz	360	0	180	0	60	0			
2 oz	630	0	315	0	105	0			
Leucovorin (746 Lederle)									
ampoules 3 mgm/ml ..	6	31	2ea	..	48	9			
Librium (1074 Roche)									
capsules 10 mgm ..	25	68	0	17	0	9	11		
100	240	0	60	0	35	0			
500	984	0	246	0	143	8			
Linc-o-lin (763 Lincoln)									
universal hair treatment		16	0	8	0	2	9		
Linct. rosae (211 Butler)	16 oz	48	0	..	..	6	0		
80 oz	192	0	..	..	24	0			
Liq. aurant. dulc. conc. (211 Butler)									
16 oz	78	0	..	..	9	9			
40 oz	180	0	..	..	22	8			
80 oz	..	..	..	..	..	..			
Liq. nitritam (211 Butler)	16 oz	36	0	..	..	4	8		
40 oz	80	0	..	..	10	0			
80 oz	..	..	..	..	..	..			
Liver injection USP (746 Lederle)									
B12—20 mcgm/cc, vial	3	7	0ea	..	10	8			
Lord Riam (1368 Ries)									
battery shaver ..	41	6ea	10	2ea	69	6			
Lusty's (781 Lusty's)									
seaweed bath ..	5 bags	22	0	5	3	3	2		
tablets ..	50	14	6	3	6	2	1		
150	33	0	7	10	4	9			
Lydrin (211 Butler)	16 oz	120	0	..	..	15	0		
Lysinex (769 Lloyd Hamol)									
tablets ..	25	12	0ea	..	18	0			
100	38	0ea	..	..	57	0			
Lystone (655 ICC) salts ..		22	8	5	8	3	0		
Magic Tan (876 MP) ..		10	6	5	3	1	9		
Man-Tan (1076 Rolls) ..		129	4	64	6	21	8		
Makeur (89 Balarant)									
cosmetic applicator									
dressing table model		..	..	..	..	147	0		
travelling model ..		..	..	..	..	126	0		
Margo's (798 Margolis)									
lanolin hand cream ..	6	6	3	3	1	3			
talcum bouquet of flowers	16	8	8	4	2	11			
Marienbad (1303 Wander) tablets									
Marsilid (1074 Roche)									
tablets 25 mgm ..	50	68	0	..	..	8	6 TS		
250	280	0	..	..	35	0 TS			
50 mgm ..	100	220	0	..	..	27	6 TS		
1000	1760	0	..	..	220	0 TS			
Mason Pearson (807 MPB) hairbrushes									
Ladies .. extra small	494	0	123	0	72	0			
extra large	549	0	137	0	80	0			
Mens military .. extra small	494	0	123	0	72	0			
extra large	549	0	137	0	80	0			
Maw's (810 Maw)									
baby teat three hole ..	5	9	..	..	8				
baby pants									
nylon, lace covered, "Sunday"	44	0	..	..	5				
feeding bottles									
Pyrex 4 oz ..	303-11	19	1	..	..	2	4		
8 oz ..	302-00	19	9	..	..	2	5		
hot water bottles									
Twin-heat ..	550-31	42	0	..	..	8	0		
Superheat ..	550-36	60	0	..	..	7	6		
Uniheat ..	550-40	79	0	..	..	9	0		
Comet ..	550-22	55	0	..	..	6	0		
Hey Diddle Diddle	550-35	54	0	..	..	6	9		
Cosicot ..	335-01	34	0	..	..	4	3		
shaving brushes									
Club ..	530-16	62	3	15	7				
530-17	71	6	17	10½					
530-18	83	4	20	9					
530-09	13	6	3	4½					
530-10	17	6	4	4½					
Badger ..									
Max Factor (813 MF)									
roll-on deodorant	..	34	8	17	0	5	9		
Melleril (1098 Sandoz)									
tablets 10 mgm ..	50	40	0	..	..	5	0		
250	180	0	..	..	22	6			
25 mgm ..	50	66	0	..	..	8	3		
250	300	0	..	..	37	8			
50 mgm ..	50	126	0	..	..	15	9		
250	570	0	..	..	71	3			
100 mgm ..	50	240	0	..	..	30	0		
250	1080	0	..	..	135	0			
Melolin (1155 S&N) dressings									
10 x 20 cm ..	50	11	6ea	..	16	3			
20 x 30 cm ..	50	30	9ea	..	43	3			
10 x 10 cm ..	100	12	0ea	..	17	0			
Mephine (1352 Wyeth)									
injection ampoule	1 mil	29	0	..	..	3	3		
multi-dose vial	10 mills	89	0	..	..	9	11		
tablets ..	20	27	0	..	..	3	0		
250	146	0	..	..	16	3			
MER-29 (838 MN) tablets	30	360	0	90	0	52	6		
100	1140	0	285	0	166	3			
Metastab (147 Boots)									
tablets ..	30	40	0ea	..	53	4 TS			
100	128	0ea	..	..	170	8 TS			
Millicorten (262 CIBA)									
tablets 0.5 mgm ..	25	18	8ea	..	28	0 TS			
100	66	0ea	..	..	99	0 TS			
500	314	6ea	..	..	471	9 TS			
1 mgm ..	25	37	0ea	..	55	6 TS			
100	131	4ea	..	..	197	0 TS			
500	628	0ea	..	..	942	0 TS			
Mist. bismuth co. (211 Butler)									
16 oz	108	0	..	..	13	6			
80 oz	480	0	..	..	60	0			
500 cc	70	0	..	..	8	9			
Monophen (645 Ilford)									
500 cc	70	0	..	..	8	9			
Moore's (859 Moore)									
baby cream ..	1½ oz	16	6	..	..	2	0		
Morny (862 Morny)									
bath salt tablets 12 ..	451	..	..	..	6	0			
crystals ..	470	..	..	..	8	6			
perfume medium flask	134	..	..	..	12	6			
perfume "Luxury Mist"	144	..	..	..	15	0			
perfume large flask	136	..	..	..	..	..			
skin perfume ..	190	..	..	..	..	..			
skin perfume ..	191	..	..	..	..	..			
skin perfume ..	195	..	..	..	..	..			
talcum plastic ..	605	..	..	..	7	6			
refill ..	606	..	..	..	3	8			
Morphine sulphate (147 Boots)									
ampoules gr 1/4 mil ..	6	42	0	..	..	5	3 s1DD		
Mum (1113 S&B)									
deodorant stick	..	18	8	9	4	3	0		
for men ..	34	0	17	0	5	6			
Mysteclin V (1176 Squibb)									
capsules, 250 mgm ..	500	882	4ea	..	1323	6 TS			
My Tan (467 Fleet)									
(distributors 128 Biometica)									
after shave lotion ..	90	0	45	0	15	0			
Napisan (1398 GC)	20	0	..	..	2	6			
Narphen (1154 S&N) ampoules									
2 mgm/ml ..	10	15	0ea	..	22	6 DD			
100	120	0ea	..	..	180	0 DD			
veterinary ..	10	15	0ea	..	22	6 DD			
100	120	0ea	..	..	180	0 DD			
Neothyl (787 Macfarlan)									
100 gm	4	0ea	..	..	..	..			
500 gm	16	0ea	..	..	..	..			
Nethapryn (838 MN)									
linctus ..	4 oz	60	0	15	0	8	9		
Night Tan (1397									



<b>Stuart</b> (1191 SM) glove soap	20	0	..	..	2	6	
<b>Suede</b> (981 Picot)							
perfume miniature	37	6	18	9	6	3	
1/2 oz	120	0	60	0	20	0	
1/4 oz	225	0	112	6	37	6	
1 oz	420	0	210	0	70	0	
2 oz	756	0	378	0	126	0	
<b>Sulphadiazine</b> (746 Lederle)							
tablets BP 0.5 gm	100	10	0ea	..	15	0	p1s4B
	500	48	4ea	..	72	6	p1s4B
	1000	96	8ea	..	145	0	p1s4B
<b>Sulphamagna</b> (1352 Wyeth)	4 oz	100	0	25	0	13	3†s4BTS
<b>Sunsilk</b> (509 Gibbs)							
tonic shampoo sachet	6	3 1/2	1	6 1/2	10		
bottle	18	7 1/2	4	6 1/2	2	6	
<b>Supavite</b> (493 Gambles)							
capsules 21 single	43	6	..	..	5	0	
42	78	4	..	..	9	0	
<b>Sure Shield</b> (549 Guest)							
laxatives fruit flavoured	8	4	2	1	1	3	
	15	0	3	9	2	3	
<b>Surfadil</b> (413 Lilly)							
cream	28 gm	36	0	..	4	6	
<b>Tabac</b> (963 PBP)							
deodorant spray	14/48	51	8	25	2	8	6
cologne	14/49	48	4	23	7	7	11
shave cream lather	14/50	38	11	9	6	5	6
brushless	14/51	38	11	9	6	5	6
pre-electric shave							
lotion	14/52	47	0	22	11	7	9
<b>Tace</b> (838 MN) tablets	30	164	0	41	0	23	11 p1s4B
	100	504	0	126	0	73	6 p1s4B
<b>Tan-Glo</b> (312 AC)	30 gm	11	6	5	9	2	6
<b>Taumasthman</b> (1301 WM)							
tablets	60	73	0	..	..	p1	
	250	234	0	..	..	p1	
<b>Taylor's</b> (1213 ET)							
zinc oxide plaster 1/2 in x 1 yd	4	3	..	..	6		
1 in x 1 yd	5	3	..	..	7 1/2		
1/2 in x 3 1/2 yd	8	6	..	..	1	0	
1 in x 3 1/2 yd	13	6	..	..	1	7	
1/2 in x 5 yd	12	6	..	..	1	5 1/2	
1 in x 5 yd	19	0	..	..	2	3	
2 in x 5 yd	33	3	..	..	3	10	
waterproof strapping							
1 in x 1 yd	6	6	..	..	9		
1/2 in x 5 yd	12	0	..	..	1	6	
belladonna plaster BPC white cloth							
5 in x 7 1/2 in	8	9	2	2 1/2	1	2	p1
7 in x 11 in	17	6	4	4 1/2	2	4	p1
6 in dia	9	9	2	5 1/2	1	4	p1
7 in dia	12	4	3	1	1	8	p1
red felt	16	0	4	0	2	2 1/2	p1
corn plaster sal acid 20%							
1 1/2 in x 3 in	4	2	1	0 1/2	7		
joystep white wool felt	11	6	..	..	1	4	
waterproof first aid dressings	7	6	..	..	10 1/2		
	15	0	..	..	1	9	
<b>T.B.P.</b> (174 BA)							
hair and scalp treatment	15	9	3	10	2	1	
	27	0	6	7	3	6 1/2	
<b>Tensival</b> (378 DCBL) tablets	25	4	0ea	..	6	0	p1s4B
	100	14	6ea	..	21	9	p1s4B
<b>Tercin</b> (179 BDH)							
tablets	200	66	0	..	8	3†s1s4A	
	1000	306	0	..	38	3†s1s4A	
<b>Tercolix</b> (1348 JW)	5 oz	63	0	..	..	..	
10 oz	..	..	..	..	..	..	
20 oz	..	..	..	..	..	..	
40 oz	31	6ea	..	..	..	..	
80 oz	60	6ea	..	..	..	..	
<b>Teropterin</b> (746 Lederle) solution							
10 mgm/ml 10 vial mls	42	2ea	..	..	63	3	
<b>Terpacol</b> (195 Brook Parker)							
4 oz	40	0	..	..	p1		
8 oz	70	0	..	..	p1		
16 oz	126	0	..	..	p1		
80 oz	50	0ea	..	..	p1		
<b>Tersavid</b> (1074 Roche)							
tablets 50 mgm	50	88	0	22	0	12	10
	250	336	0	84	0	49	0
<b>Testones-Dermatib</b> (120 BGP)							
<b>Testones</b> (182 BGP)	7	11ea	6ea	15	6		
<b>Tetanus toxoid</b> (518 Glaxo)							
ampoules 1/2 mil	3	36	0	..	4	0	
vial 5 mls	..	76	6	..	8	6	
<b>Thephorin</b> (1074 Roche)							
tablets 25 mgm	1000	864	0	..	108	0	p1s7
<b>Thermalux</b> (1224 TEP) electric blanket "Sleepwell" 54 x 30	86	3ea	20	9ea	135	9	
<b>Tokalon</b> (1240 Tokalon)							
hand cream	8	1	4	0 1/2	1	3	
	13	0	6	6	2	0	
<b>Tonivitan</b> (830 Medo) capsules	1000						
<b>Tranquilex</b> (1053 Rexall)	40	48	0	..	5	9	p1s4B
	120	125	0	..	15	0	p1s4B
<b>Triominic</b> (1303 Wander)							
syrup	2 oz	30	0	..	3	9	p1s7
	20 oz	14	2ea	..	21	3	p1s7
tablets	50	101	8	..	12	9	p1s7
	250	36	5ea	..	62	11	p1s7
<b>Trust</b> (671 Jeyes)							
toilet roll	12	4	..	..	1	4	
<b>Tumeson</b> (614 Hoechst) (distributors 621 Horlicks)							
ointment	5 gm	40	0	9	9	5	10
	20 gm	128	0	31	2	18	7
<b>Turn Tan</b> (1053 Rexall)	4 oz	25	0	..	p1		
<b>Tussini</b> (195 Brook Parker)	8 oz	39	0	..	p1		

	16 oz	66	0	..	..	p1	
	80 oz	24	0ea	..	..	p1	
<b>Tycoon</b> (705 Kirby)							
after shave lotion	..	32	0	16	0	6	0
deodorant	..	32	0	16	0	6	0
hair dressing	..	32	0	16	0	6	0
medicated shampoo	..	32	0	16	0	6	0
pre-electric shave lotion	..	32	0	16	0	6	0
talcum powder	..	32	0	16	0	6	0
presentation packs of any two	..	68	0	34	0	12	6
<b>Tylenol</b> (1383 McNeil)							
elixir	4 oz	56	0	..	..	7	0
<b>Tyordac</b> (346 Dales)							
pastilles	100	10	6ea	..	..	..	
	250	24	6ea	..	..	..	
<b>Val-Pak</b> (343 DH) tube	..	12	10	6	5	2	0
<b>Valpeda</b> (343 DH)	..	21	0	..	..	2	6
<b>Valtorin</b> (969 Pfizer)							
tablets	6	16	0	..	..	2	0
	12	30	0	..	..	3	9
	dp100	180	0	..	..	22	6
	dp300	480	0	..	..	60	0
<b>Varidase</b> (746 Lederle)							
buccal tablets	12	21	8ea	..	..	32	6 TS
<b>Vasogen</b> (720 Lactogol)							
silicone	50 gm	46	3	11	7	6	6
<b>Veet</b> (343 DH)	..	16	4	8	2	2	6
	..	22	10	11	5	3	6
<b>Veractil</b> (814 M&B)							
tablets 5 mgm	50	36	0	..	..	4	6 p1s4B
	500	300	0	..	..	37	6 p1s4B
25 mgm	50	110	0	..	..	13	9 p1s4B
	500	980	0	..	..	122	6 p1s4B
100 mgm	50	380	0	..	..	47	6 p1s4B
	500	3340	0	..	..	430	0 p1s4B
ampoules 2.5% 1 mil	10	100	0	..	..	12	6 p1s4B
<b>Versitol</b> (108 Bell)	4 oz	54	0	..	..	6	0
	16 oz	13	6ea	..	..	18	0
<b>Vetidrox</b> (262 CIBA) tablets	25	8	8ea	..	..	13	0 VSO
	100	32	8ea	..	..	49	0 VSO
<b>Delete</b>							
<b>Virules</b> (120 BGP)	..	10	10ea	8ea	21	0	
<b>Virules</b> (182 BGP)	..	34	0	..	..	4	3
<b>Virvina</b> (837 MSD)	4 oz	..	..	..	..	..	
<b>Visa</b> (Piguet) (1201 Supervite)	..	27	6	13	9	56	6
perfume (atomiser)	1/2 oz	..	..	..	..	..	
<b>Vita-E</b> (127 Bioglan)							
gels 800 iu	100	260	0ea	..	..	390	0
<b>Vital</b> (76 Atkinson) hair conditioner	..	22	8	11	1	3	9
<b>Vitapointe</b> (484 Fulford)	..	12	0	6	0	2	0
<b>Viules</b> (147 Boots)							
Hydrocortistab	..	..	..	..	..	..	
25 mgm/1 mil	6	8	3ea	..	..	11	0 TS
50 mgm/2 mls	6	16	6ea	..	..	22	0 TS
heparin	..	..	..	..	..	..	
25000 IU/ml	single	120	0	..	..	15	0
<b>Warricks</b> (1311 Warrick) linseed, liquorice and chlorodyne lozenges	2 oz	7	6	..	..	11	
<b>Wellcome</b> (208 BW)							
aminophylline BP intramuscular	..	5	33	9	..	3	9
0.5 gm in 2 cc	..	..	..	..	..	..	
<b>Delete</b>							
pack of	..	6	..	..	..	..	
<b>Wellform</b> (1154 S&N)							
elixir	4 oz	42	0	..	..	5	3
	dp 20 oz	180	0	..	..	..	
<b>Wet and Set</b> (220 CALG)							
hair curling tissues	..	17	6	8	9	2	11
<b>Whooping cough vaccine</b> (513 Glaxo)							
ampoules 1/2 mil	3	36	0	..	..	4	0
vial 5 mls	..	76	6	..	..	8	6
<b>Woodwards</b> (1346 Woodward)							
gripe water	..	17	8	4	3	2	3
<b>Wright's</b> (1351 WLU) vaporiser	..	73	0	..	..	8	2
<b>Wyovin</b> (1352 Wyeth)							
tablets	50	54	0	..	..	6	0
with phenobarbitone	50	63	0	..	..	7	0†s1s4A
<b>Yardley</b> (1355 Yardley)							
hair tonic for men	2231	36	0	18	0	6	0
eau de cologne for men	2029	97	0	48	6	16	2
after shave lotion	2059	58	0	29	0	9	8
<b>Delete</b>							
<b>Florentine</b> lipstick case	..	45	0	22	6	7	6
lipstick	69	..	..	..	..	..	
<b>Yaxa</b> (261 Christy)							
perfumed deodorant stick	..	19	6	9	9	3	3
mini-fragrance	..	75	0	37	6	12	6
perfumed roll-on	..	27	0	13	6	4	6
refills	..	21	0	10	6	3	6
<b>Zap</b> (1070 Windsor)							
pumice soap	3000	56	10	..	..	6	
	gross	..	..	..	..	..	

AMENDMENTS TO KEY TO SUPPLIERS:

(76 Atkinson) = J. & E. ATKINSON, LTD., 24 Old Bond Street, London, W.1. Hyde Park 7353.  
(89 Bairant) = BAIRANT, LTD., 186 Campden Hill Road, London, W.8. Park 7781.  
(100 Beaucaire) = BEAUCAIRE LABORATORIES, Bridson Street, London, S.E.15. New Cross 7144.  
(108 Bell) = BELL & SONS LTD., Gascoyne Street, Liverpool, 3. Central 3367.  
**Delete** (120 BCP).  
(120 BGP) = B.G.P. COSMETICS, LTD., 37 Chesham Place, London, S.W.1. Belgravia 5679.  
(182 BGP) = BRITISH GLANDULAR PRODUCTS, LTD., 37 Chesham Place, London, S.W.1. Belgravia 5641.  
(220 CALG) = C.A.L.G. ENTERPRISES, LTD., 34 Upper Brook Street, London, W.1. Hyde Park 0148.

(257 Chilton)=CHILTON ELECTRIC PRODUCTS, LTD., Hungerford, Berks. Hungerford 237.  
 (340 C of GB)=CYANAMID OF GREAT BRITAIN LTD., Bush House, Aldwych, London, W.C.2. Temple Bar 5411.  
 (350 Dana)=DANA SALES LTD., 6 Paddington Street, London, W.1. Welbeck 2549.  
 (461 FL)=FIBRENYL, LTD., 157 Dukes Road, London, W.3. Acorn 5073.  
 (467 Fleet)=FLEET LABORATORIES LTD., 675 Mount Pleasant Road, Toronto 7, Ontario, Canada.  
 (477 AF & B)=ALFRED FRANKS & BARTLETT CO., LTD., 226 Grays Inn Road, London, W.C.1. Terminus 9865.  
 Delete (491 Gevaert).  
 (491 GB)=GALE BAISS & CO., LTD., 274 Iderton Street, London, S.E.15. New Cross 0094.  
 (581 Haynor)=HAYNOR, LTD., 167 Greyhound Road, London, W.6. Fulham 4343.  
 (614 Hoechst)=HOECHST PHARMACEUTICALS, LTD., Slough, Bucks. Slough 2322.  
 (759 L&B)=LEWIS & BURROWS LTD., 146 Holborn, London, E.C.1. Chancery 9664.  
 (900 Norton)=M & R NORTON, LTD., 9 Park Hill, London, S.W.4. Macaulay 2355.  
 (905 Nufoam)=NUFOAM PLASTICS LTD., 113 Clarendon Road, London, W.11. Bayswater 4123.  
 Delete (1004 Price).  
 (1004 Price)=A. S. PRICE & CO., LTD., Park Street, Blackbeath, Birmingham. Blackbeath 2251.  
 (1063 Rimmel)=RIMMEL LTD., 146 New Bond Street, London, W.1. Grosvenor 2062.  
 (1115 SI)=SCHICK INCORPORATED (UK) LTD., 86a Brook Street, London, W.1. Grosvenor 5559.  
 (1121 Searle)=G. D. SEARLE & CO., LTD., Lane End Road, High Wycombe, Bucks. High Wycombe 1770.  
 (1158 Sodastream)=SODASTREAM, LTD., 22 Oval Road, London, N.W.1. Gulliver 4421.  
 (1169 GS & S)=GEORGE SPENCER & SON LTD., Kynance Place, Gloucester Road, S.W.7. Knightsbridge 8741.  
 (1191 SM)=STUART MADELEY LTD., Marsh Street, Walsall. Walsall 3116.  
 Delete (1215 Teasdale).  
 (1215 Teasdale)=TEASDALE & CO., LTD., P.O. Box 15, South Vale Works, Carlisle. Carlisle 26262.  
 (1247 TDC)=TRICO DEVELOPMENTS CO., LTD., Great West Road, Brentford, Middlesex. Isleworth 3464.  
 (1320 WP)=WEST PHARMACEUTICAL CO., LTD., 9 Palmeira Mansions, Church Road, Hove, 3, Sussex. Hove 772215.  
 (1373 Hanovia)=ENGELHARD HANOVIA, LTD., Slough, Bucks. Burnham 500.  
 Delete (1383 McNeil).  
 (1383 McNeil)=MCNEIL LABORATORIES, LTD., High Wycombe, Bucks. Naphill 2264.

(1393 BRL)=BEECHAM RESEARCH LABORATORIES LTD., Gre West Road, Brentford, Middlesex. Isleworth 4111.  
 (1397 Ellanby)=ELLANBY LABORATORIES, LTD., 146 Holborn London, E.C.1. Chancery 9664.  
 (1398 GC)=GASCOIGNE-CROWTHER LTD., Lactosan Laboratory Caversham, Reading.

## THIS WEEK'S CHANGES

NEW and altered entries notified for the first time.  
 A=Advanced. R=Reduced.

Entries new this week are marked thus: — ●

R Atrix (1155 S&N)	hand care	404	10	6	5	3	1	9
● Check (665 JS) cream	..	271	14	0	3	5	2	0
.. spray	..	269	22	8	11	0	3	9
R Cambison (614 Hoechst) ointment	(distributors 621 Horlicks)							
0.25% ..	5 gm	40	0	..	..	5	0	TS
..	20 gm	128	0	..	..	16	0	TS
0.5% ..	5 gm	64	0	..	..	8	0	TS
..	20 gm	204	0	..	..	25	6	TS
● Conotrane (1305 WB)								
silicone cream ..	60 gm	60	0	..	..	7	6	
..	200 gm	144	0	..	..	18	0	
..	500 gm	25	0ea	..	..	37	6	
Delete Dascote (1262 UL)	..	16	28	..	..	..	..	
● Deep (102 CB) treatment shampoo	tube	24	0	6	0	6	9	
R Dento (219 Calvert)	..	10	8	2	8	1	5	
● Didit (1075 R)	barrel pump sprayer ..	33	0	..	..	3	9	
● Distivit 20 (378 DCBL)	elixir ..	4	oz	3	0ea	..	4	6
..	1000 tablets ..	4	6	0ea	..	9	0	
● Goya (532 Goya)	perfume Cologne spray	..	30	57	6	28	0	9
.. aerosol	..	..	..	..	..	..	..	6
● Jane Seymour (665 JS)	wonder cream ..	7	0	3	6	1	2	
..	..	12	0	6	0	2	0	
● Mos-tox (814 M&B)	size 1	40	0	..	..	4	0	
..	size 2	52	0	..	..	6	6	
● Swandown (1218 HT)	trio pack ..	12	4	6	2	2	1	
● Urelim (1305 WB)	tablets 0.5 gm	100	26	0ea	6	6ea	45	6
..	..	500	116	Sea	29	2ea	204	2
● Uvistat (1305 WB)	cream ..	50	gm	60	0	15	0	8
..	..	..	..	..	..	..	..	9

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," August 17  
 For chemical substances for use in the manufacture of toilet preparations and of cosmetics, all being goods manufactured and for sale in the United Kingdom and for export to the Republic of Ireland and the Channel Islands (1)  
 STIMULIN, 800,408, by Chesebrough-Pond's, Ltd., London, N.W.10.  
 For non-saponaceous detergents (not for use in industrial processes or in the course of manufacture) (3)  
 RADION, 795,556, by Joseph Watson & Sons, Ltd., Lccds.  
 For detergent preparations for cleaning manufacturing plant in the brewery, dairy, food and drink industries (3)  
 DIOPOL, 795,684, by Industrial and Commercial Detergents, Ltd., London, S.W.19.  
 For non-medicated toilet preparations, cosmetics and biological preparations for cosmetic purposes (3)  
 ARVOL, 800,406, by Laboratoires Biologiques Arval, S.A. Sion, Sion, Switzerland.  
 For all goods (3)  
 CUDDLE, 804,110, by Co-operative Wholesale Society, Ltd., Manchester.  
 For detergents (not for use in industrial or manufacturing processes) (3)  
 DICOPAN, 804,186, by Diversey (U.K.), Ltd., London, W.1.  
 For injectible veterinary preparations for the treatment of helminthic diseases in animals (5)  
 FRANOCIDE, 786,451, by the Wellcome Foundation, Ltd., London, N.W.1.  
 For lactose (5)  
 Device with words TWIN SPIRES, 783,615, by Aberdeen and District Milk Marketing Board, Kittybrewster, Aberdeen.  
 For pharmaceutical preparations for use in the treatment of heart ailments (5)  
 GILUCOR COMBI, 791,427, by Gebrüder Giuliani, G.m.b.H., Ludwigshafen-on-Rhine, Germany.  
 For all goods (5)  
 TYLENOL, 799,222, by McNeil Laboratories,

Incorporated, Philadelphia, Pennsylvania, U.S.A.  
 For medicines (5)  
 PYRIPYRIL, 795,208, by Johann G. W. Opfermann & Sohn, Bergisch-Gladbach, Germany.  
 For sterilising preparations (5)  
 STERILEX, B795,685, by Industrial and Commercial Detergents, Ltd., London, S.W.19.  
 For pharmaceutical preparations and substances (5)  
 DENCYL, 797,562, by Beecham Research Laboratories, Ltd., Brentford, Middlesex. BEE-GEEPLIN, 802,969, by British Glandular Products, Ltd., London, S.W.1.  
 For dietetic foods and foods for infants and invalids (5)  
 GYE, B799,098, by Arthur Guinness Son & Co. (Dublin), Ltd., Dublin, Republic of Ireland.  
 For pharmaceutical preparations and substances, all in capsule form and being for human and veterinary use (5)  
 SURCAPS, 801,170, by Smith, Kline & French Laboratories, Ltd., Welwyn Garden City, Herts.  
 For anaesthetics (5)  
 HYPACAINE, 801,547, by Calmic, Ltd., Crewe, Ches.  
 For bactericidal creams for human use (5)  
 CETRILENE, 801,906, by Wigglesworth, Ltd., Westhoughton, Lanes.  
 For pharmaceutical preparations for use in shimming (5)  
 LEMSLIM, 802,896, by Thomas James Lemon, Mount Pleasant, Salisbury, Southern Rhodesia.  
 For turpentine products, creosote for medicinal use, and disinfectants (5)  
 LANGLOW, 802,977, by Langley-Smith & Co. (Oils and Turpentine), Ltd., London, E.C.2.  
 For pharmaceutical preparations (5)  
 CAPDOREL, 803,137, TALMIDOX, 803,151, by Commercial Drug and Chemical Co., London, E.1.  
 For medicinal herbs, the produce of Asia (5)  
 FO-TI TIENG, 804,016, by G. C. Sales, London, N.W.2.

## PATENTS

### COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents)," August 17  
 Purification of monosodium novobiocin, Merck & Co., Inc. 850,873.  
 Hypoglycaemic thiazidiazoles, F. W. Horner, Ltd. 851,277.  
 5-chlorotoluene-2: 4-disulphonamide and alkali metal salts thereof. The British Drug House Ltd. 851,287.  
 Process for the manufacture of phosphorylated hydroxy-acids and derivatives thereof. CIBA Ltd. 851,297.  
 Unsaturated sulphonamides of chlorosulphonate olefin polymers. E. I. Du Pont de Nemours & Co. 851,062.  
 Morpholine compounds and their production. J. R. Geigy, A.G. 851,311.  
 Substituted ureas. J. R. Geigy, A.G. 850,982.  
 Glycerol, Atlas Powder Co. 851,006.  
 Pyridone derivatives, Wallace & Tiernan, Inc. 851,033.  
 Preparation of steroid compounds, Glaxo Laboratories, Ltd., and H. B. Henbest. 851,180.  
 Steroid compounds and process of preparation same. C. Pfizer & Co., Inc. 850,951.  
 Herbicidal compositions, Imperial Chemical Industries, Ltd. 851,084.  
 Thiophosphoric acid esters, Farbenfabriken Bayer A.G. 850,984.  
 Compositions for the control of vegetation United States Borax and Chemical Corporation 851,250.  
 O, O dimethyl-thiophosphoric acid derivative as pesticidal compositions comprising it, Montecatini Soc. Generale per l'Industria Mineraria Chimica. 851,005.  
 Amine salts of aromatic acids, their use in herbicidal compositions and processes for their production, Amchem Products, Inc. 851,008.  
 Nail varnish removers, O. Wurmböck and E. Wurmböck. 850,923.  
 Apparatus for the determination of the sedimentation rate of blood. K. E. H. Danielsson. 851,263.  
 British patent specifications are obtainable (price 3s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

# TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, AUGUST 24: With holidays still affecting production in some pharmaceutical houses the CRUDE DRUGS market continues extremely dull. Stocks of ALOES at origin were said to be sold out following business at a lower level quoted last week.

South Africa was also reported to have cleared their stocks of BUCHU. While Aleppy green CARDAMOMS were little easier in both positions the seeds were one shilling per lb. dearer for shipment. SPICES were mostly unchanged with the exception of PEPPER, which drifted lower. GUM ACACIA was down by 2s. 6d. per cwt, both spot and forward. IPECACUANHA and ERGOT were substantially unaltered. Offers of w crop HENNA for November-December shipments were quoted at 5s. 6d. per cwt., c.i.f. SENEGA prices remained nominal. Among AROMATIC ESSENCE Indian DILL was in short supply. Of the July SHELLAC exports from India the United Kingdom took 139 packages (of two Calcutta rounds each); United States, 1,453; Continent, 5,006 and other ports, 3,307. Shipments of SENNA from the port of Anticorin during July were as follows:

	U.K.	U.S.	EUROPE
SENNA: Tons	Tons	Tons	Tons
LEAVES 11	18	137	
PODS 7	6	132	

Para COPAIBA BALSAM is more freely available at around 7s. per lb. duty paid.

In ESSENTIAL OILS, CITRONELLA was actionally dearer, while LEMONGRASS is threepence per lb. lower for shipment. Chinese PEPPERMINT was said to be cleared on the spot.

## Pharmaceutical Chemicals

D-AMINOSALICYLIC ACID. — SODIUM, 6d. per kilo for 1,000-kilo lots.

BORAX.—B.P. grade, 1 ton and upwards; anular, £56; crystals, £59 10s.; powder, £59 10s.; extra fine powder, £61 10s. per ton, all in hessian sacks. Commercial is £46 to £51 10s. per ton, as to type and packing. Dehydrated borax is £70 per ton in paper-lined hessian bags or £69 per paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: less than 1 ton but not less than 5 cwt., 10s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s.

BORIC ACID.—B.P. grade in 1 ton and upwards (per ton): Granular, £91; crystals, £99; powder, £96 10s.; extra-fine powder, £98 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less per ton if supplied in paper bags. Technical from £77 to £86 10s. per ton according to type and packing.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £33 per ton in paper bags, ex works.

CALCIUM CHLORIDE.—B.P.C. fused, anular, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE.—Three-cwt. and upwards, 3s. 6d. per lb.; 1-2 cwt., 3s. 7d.

CALCIUM PANTOTHENATE.—£7 10s. per cwt.

CALCIUM SUCCINATE.—10s. 6d. to 12s. per lb. as to quantity. SUCCINIC ACID is from 6d. to 12s. 3d. per lb.

CHALK.—Prepared powder B.P., £22 per ton for minimum 1-ton ex works.

DIHYDROXY-ACETONE.—Per kilo £12 for minimum 1-kilo lots.

ETHER.—Per lb. in winchesters: TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1d. per litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt., 3s. 9d.

ICHTHAMMOL.—B.P. from 2s. to 2s. 6d. per lb. in 1-cwt. lots as to origin and container.

KAOLIN.—LIGHT, 60s. per cwt.; 1-ton 57s. per cwt.

LACTIC ACID.—B.P. 4s. 5d. per lb. for 12-winchester lots and 4s. 4d. for 5-cwt. lots. Edible, 80 per cent. acid, 2s. 4d. per lb. for under 1-ton lots; 12 winchesters, 2s. 8d. per lb.

PARALDEHYDE.—B.P. in 12-winchester lots, 2s. 10d. per lb. (6s. 3d. kilo); 10-gall. carboys, 2s. 4d.

PENICILLIN.—SODIUM, POTASSIUM or PROCAINE, 7½d. per mega unit.

PHENAZONE.—Imported, 9s. 6d. per lb.

PHENOLPHTHALEIN.—One-cwt. 9s. per lb.

PHOSPHORIC ACIDS.—B.P. (s.g. 1.750) is from 7s. 5d. to 8s. 6d. per lb. as to quantity. B.P. 1914, 1s. 2d. to 1s. 6d. per lb. HYPOPHOSPHORUS, B.P.C., in winchesters is from 7s. 5d. to 8s. 6d. per lb., as to quantity; drums, 7s. per lb.; 50 per cent. acid, drums, 8s. 9d.

PIPERAZINE.—(50-kilo lots), ADIPATE, 26s. per kilo; CITRATE, 25s.; HEXAHYDRATE, 24s. and PHOSPHATE, 30s.

POTASSIUM BICARBONATE.—B.P. powder, 110s. per cwt. 1-4-cwt. lots and 105s. per cwt. for 5-cwt. and over.

POTASSIUM BROMATE.—In 5-cwt. lots, 5s. 3d. per lb.

POTASSIUM CHLORIDE.—In 1-cwt. lots B.P., 1s. 6d. per lb.

POTASSIUM HYDROXIDE.—B.P. sticks are from 6s. 8d. per lb. and pellets, 4s. 6d.; technical flake, 1s. 10d.

POTASSIUM, 8-HYDROXYQUINOLINE SULPHATE.—1 kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

POTASSIUM NITRATE.—Pharmacopoeial quality, 100s. per cwt. (crystal or powder) in 1-cwt. lots.

POTASSIUM PERMANGANATE.—B.P. in 1-cwt. lots, 1s. 11½d. per lb. Technical 209s. per cwt. and £198 per ton.

POTASSIUM QUADROXALATE.—One-cwt., 3s. 6d. per lb.

POTASSIUM SULPHATE.—B.P. 1949, one-cwt. lots, 1s. 2d. per lb.

POTASSIUM THIOCYANATE.—One-cwt., 5s. 6d. per lb.

PROCAINE HYDROCHLORIDE.—100-kilo lots, 45s. per kilo.

PYROGALLIC ACID.—One-cwt., pure crystals, 24s. 6d. per lb.; resublimed 26s. 6d.

QUINIDINE.—Per oz.:—

	Home Trade	500 oz.	100-400 oz.
QUINIDINE		s. d.	s. d.
ALKALOID .. ..		7 11½	8 1½
GLUCONATE .. ..		9 4½	9 6½
HYDROBROMIDE ..		6 9	6 9
HYDROCHLORIDE ..		6 9	6 11
SULPHATE .. ..		6 0	6 2
HYDROQUINIDINE			
HYDROCHLORIDE ..		11 2	11 4
GLUCONATE .. ..		8 6½	8 8½

For export quinidine alkaloid ranges from £12 12s. 3d. to £12 17s. 4d. per kilo and sulphate from £9 10s. 5d. to £9 15s. 6d.

SEMICARBAZIDE HYDROCHLORIDE.—Technical grade, 15s. 8d. per lb. for 1-cwt. lots.

SODIUM ACETATE.—B.P.C., 28-lb., 2s. 4d. per lb.; 1-cwt., 2s., 5-cwt., 1s. 11d.

SODIUM BENZOATE.—One-ton lots, 2s. 7½d. per lb.; 1-cwt., 2s. 9½d.

SODIUM BROMATE.—One-cwt., 9s. 9d. per lb.

SODIUM CARBONATE.—B.P.C. exsiccated, 70s. per cwt.; 5-cwt., 65s. per cwt.

SODIUM CHLORIDE.—Recrystallised, 25s. per cwt.; B.P., 42s.

SODIUM PERBORATE.—(Per ton) £145 15s. in 1-cwt. kegs; £138 5s. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is £309 15s.; TETRAHYDRATE, from £131 15s. to £139 5s. per ton as to packing.

SODIUM PERCARBONATE.—(Per cwt.) 170s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM PHOSPHATE.—B.P.C. powder, 2s. 3d. per lb.

SODIUM SALICYLATE.—One-ton lots in bulk, 3s. 7d. per lb.; 5-cwt. 3s. 8d.; 1-cwt. 3s. 10d.

SULPHOCARBONATES.—SODIUM PHENOSULPHONATE, B.P.C., 1949 (powder), 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

SULPHUR.—(Per ton in 1-ton lots), B.P. PRECIPITATE, £112 10s.; SUBLIMED, B.P. £47 10s.; POWDER, 100 mesh, £25 10s.

TANNIC ACID.—The B.P. levis, ex ether, 9s. 9d. per lb.; B.P. powder, 9s. 3d. (1-cwt. lots).

## Industrial Chemicals, Solvents

ACETALDEHYDE.—The 100 per cent. is £122 per ton.

ACETATES.—Per ton, spot 1-ton lots: AMYL (technical), £254, and B.S.S., £256. BUTYL, £169; ETHYL, £141; ISOPROPYL, £136.

ACETIC ANHYDRIDE.—10-ton lots, £126 per ton, delivered U.K. in returnable drums; 1-ton, £128.

ACETONE.—One-ton lots spot, £84 per ton in drums.

BENZOLE.—Thiophene-free, 9s. 3½d. per gall. for one 50-gall. barrel; pure 6s. 3½d. per gall.

N-BUTYL ALCOHOL.—1-5-ton lots, £159 per ton and one-ton lots, £163 per ton. SECONDARY, £130.

CARBON TETRACHLORIDE.—In 40-gall. drums, 1 ton and under 2 tons, £83 15s.; 4 tons and upwards, £82 5s.

ISOPROPYL ALCOHOL.—Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000-gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE.—One-ton lots, £138 10s. per ton.

NAPHTHALENE.—Home contract prices (per ton for 4-ton lots at one time):—CRUDE, crystallising point 64-71-9° C., £22 5s. to £23; WHIZZED, c.p. 72-77-5° C., £27 5s. to £35 15s. according to the crystallising point, ex works; PHTHALIC grade, minimum c.p. 77-5° C., £42 10s. ex maker's works; CRYSTALS from £62 10s. to £65, delivered; BALL AND FLAKE, £71 to £73 10s. delivered.

PHTHALATES.—Prices (per ton) one-ton lots: DIBUTYL, £206; DI-ISOBUTYL, £199; DI-ETHYL, £190 10s.; DI-METHYL, £182.

STEARATES.—Spot prices for minimum 1-ton lots:—ALUMINIUM (all grades), 253s. 6d. per cwt., CALCIUM (precipitated), 243s. 6d.; LEAD (30 per cent.), 223s. 6d.; MAGNESIUM (standard), 272s. and (super-fine), 302s.; ZINC 226s. to 286s. as to grade.

## Crude Drugs

ACONITE. — Spot: Spanish *napellus*, 2s. 6d. per lb.

AGAR.—Kobe No. 1, 16s. 3d. per lb., in bond.

ALOE. — Cape primes, spot, 175s. per cwt., extra quality 180s. quoted; shipment no offers. Curaçao, 480s., spot; 440s., c.i.f.

BALSAMS.—Per lb.; CANADA: Spot, 22s. for paper-filtered. COPAIBA: Para spot, 7s., duty paid. PERU: Spot, 9s. 9d. in bond. TOLU (genuine as imported): nominal 23s. B.P., 13s. per lb.

BELLADONNA. — LEAVES (t.a. 0.53 per cent.), 1s. 9d. per lb. Dutch for shipment, (t.a. not quoted) 2s., c.i.f. ROOT cleared on the spot.

BENZON. — Sumatra block, spot £22 to £30 as to quality.

BUCHU. — Spot rounds, 3s. 6d. per lb. shipment, no offers.

CALUMBA.—Root, 100s. per cwt., spot, 87s. 6d., c.i.f.

CAMPHOR.—B.P. powder, 3s. 10½d. per lb in bond.

CARDAMOMS. — Aleppy greens, spot, 14s. 9d. per lb.; August–September shipment, 13s. 7½d., c.i.f. Seeds, shipment, 21s. 6d., c.i.f.

CAPSICUMS.—Chinese 155s., duty paid.

CASSIA. — *Fistula*, 115s. per cwt., spot; *lignea*, 380s., duty paid.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 5s. 10½d.; 3 O's, 5s. 7d.; O, 5s. 2½d.; quillings, 3s. 3d.; featherings, 1s. 8d.

COCHINEAL.—Black-brilliant, 12s. 9d. per lb., spot; Peruvian silver-grey, 4s. 6d.

ELEMI.—Spot, 2s. 6d. per lb. nominal. Shipment, not offering.

ERGOT.—Portuguese, nominally 12s. per lb., c.i.f., for prompt shipment.

GENTIAN.—Spot: French, 155s. per cwt.

GUM ACACIA. — Kordofan cleaned sorts, 167s. 6d. per cwt., spot; August–September shipment, 158s., c.i.f.

HENNA.—Indian, spot, 90s. per cwt.; new crop, November–December shipment, 62s. 6d., c.i.f.

HONEY.—Australian light amber, 95s. to 97s. 6d. per cwt. and medium amber 90s. to 95s.; Argentine, 100s. to 102s. 6d.; Jamaican, 110s. to 115s.; Canadian clover, 145s. to 150s., all ex warehouse.

IPECACUANHA. — Matto Grosso 50s. 6d. per lb., c.i.f. Colombian, 53s., c.i.f. Costa Rican, 72s. 6d., c.i.f. Spot: Matto Grosso, 53s. 9d.; Colombian, 55s. 6d.

JUNIPER BERRIES.—Italian, 90s. per cwt.

KARAYA. — No. 1 gum, spot 325s. per cwt. nominal; No. 2, 225s.

KOLA NUTS. — Jamaican for shipment, 7d. per lb., c.i.f. African, 5½d. spot and 4d., c.i.f.

LANOLIN. — ANHYDROUS, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

LEMON PEEL. — Spot, 2s. 6d. per lb.; shipment, 230s., c.i.f.

LINSEED. — Whole, 85s. per cwt.; crushed, 110s.

LIQUORICE. — Natural root: Persian on the spot, 45s. per cwt. Block juice: Anatolian from 190s. per cwt.; Italian stick from 310s. to 470s. per cwt.

LOBELIA HERB.—Spot: American, 4s. 9d. per lb.; Dutch, 4s. 6d.

MACE. — Whole pale blade, 24s. per lb. spot; 22s., f.o.b.

MENTHOL. — Chinese: market nominal; shipment, 75s., c.i.f. Brazilian, 58s. 6d., in bond; 58s. 6d., c.i.f.; Formosan, 58s. 6d., duty paid (56s. in bond).

NUTMEGS. — West Indian 80's 12s. per lb., spot; sound unassorted, 9s. 6d.; defectives, 7s. 4½d.

NUX VOMICA.—Spot, 125s., cwt.; shipment, 105s., c.i.f.

ORANGE PEEL. — Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 9d.; bitter ribbon, 1s. 6d.

ORRIS ROOT.—Florentine, 350s. per cwt.

PAPAIN. — Tanganyikan, 11s. 6d. per lb., c.i.f., for grade one, spot, 12s. 6d. Ceylon, No. 1 white, 12s., c.i.f.; brown, 10s., c.i.f.

PEPPER.—White Sarawak, spot, 6s. 4½d. per lb.; August shipment, 5s. 10d., c.i.f. Black Sarawak spot, 4s. 8d. August–September, shipment, 3s. 10½d., c.i.f. Black Malabar, 460s. per cwt. spot, and 420s., c.i.f.

PEPPERMINT LEAVES. — Dutch whole, 1s. 11d. to 2s. 7d. per lb., c.i.f.

PIMENTO.—Spot, 590s. cwt.; shipment, 500s., f.o.b.

PODOPHYLLUM. — *Emodi*, 200s. per cwt. spot, and 185s., c.i.f., for shipment, *Peltatum*, spot value, 375s.

PYRETHRUM.—Extract, minimum, 25 per cent. w/w pyrethrins, 75s. per lb. for small lots.

QUILLAIA. — Spot supplies available at 130s. per cwt.; prompt shipment, quotations at 120s., c.i.f.

RHUBARB. — Chinese small rounds from 5s. 9d. to 6s. 9d. per lb. on the spot.

SAFFRON.—Mancha selecta, 147s. 6d. per lb.

SARSAPARILLA.—Jamaican native red on spot, 2s. 5d. per lb.; shipment, 2s. 1d., c.i.f., nominal.

SEEDS. — (Per cwt.) ANISE.—Spanish, 160s., duty paid. CARAWAY. — Dutch, 182s. 6d., duty paid. CELERY. — Indian, 137s. 6d., spot; shipment, 124s., c.i.f. CORIANDER.—Moroccan, 72s. 6d., duty paid; shipment, 65s., c.i.f. CUMIN. — Indian, 205s. spot; shipment, 190s., c.i.f.; Iranian, 215s., duty paid. DILL.—Indian in short supply at 100s., spot; shipment, 95s., c.i.f. FENNEL.—Chinese, 105s., duty paid; shipment, 85s., c.i.f.; Indian, 125s., nominal spot. FENUGREEK.—Moroccan, 55s., duty paid; shipment, 44s., c.i.f. MUSTARD.—English, 80s. to 95s., according to quality.

SENEGA. — Spot nominally 24s. per lb.; shipment, 21s., c.i.f., nominal.

SENNA. — *Tinnevely* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 9d. PODS: Manufacturing (f.a.q.), 9d. and hand-picked, 1s. 6d. to 1s. 10d. *Alexandria* pods: Manufacturing, 1s. 6d.; new crop hand-picked, 4s. 6d. to 7s.

SHELLAC.—F.O.T.N., 202s. 6d. per cwt.; No. 1, 225s.; F.O., 235s. to 285s., spot.

SQUILL.—White 85s. per cwt., spot.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid 93s., c.i.f.

STYRAX. — Spot, 33s. per lb., shipment, 31s., c.i.f.

TONQUIN BEANS.—Para spot, 7s. 9d. per lb. Angostura 11s.

TRAGACANTH. — No. 1 ribbon, £135 to £140 per cwt. No. 2, £125 to £130.

TURMERIC. — Madras finger on spot is 105s. per cwt.; shipment, 100s., c.i.f., quoted.

VALERIAN ROOT. — Spot: Indian (with rootlets), 130s. Belgian, whole (max. 2½ per cent. sand) for prompt shipment, 145s., c.i.f. Dutch old crop cleared; new-crop prices awaited.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 23s. 3d.; 1-cwt., 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

WAXES. — (Per cwt.) BEES.—Dar-es-Salaam, spot, 485s.; shipment, 475s., c.i.f. Abyssinian, spot 410s. in bond; shipment, 370s., c.i.f. Benguela, shipment, 380s., c.i.f. Sudanese, spot, 430s.; shipment, 375s., c.i.f. CANDELLILA, spot, 470s. CARNAUBA, fatty grey, spot, 560s.; shipment, 542s. 6d., c.i.f.; prime yellow, spot, 770s.; shipment, 745s., c.i.f.

## Essential and Expressed Oils

AMBER.—Rectified on the spot, 1s. 6d. per lb.

BAY.—West Indian, 12s. 6d. per lb. the spot.

CADE. — Spanish, 3s. 6d. per lb. f. drum lots.

CALAMUS.—Spot, 56s. 6d. per lb.

CANANGA.—Spot, from 38s. to 46s. 6d. per lb.

CASTOR.—Home-produced B.P. oil, spot £159 per ton naked ex mill (2-ton lots).

CHENOPODIUM.—Spot value, 37s. per lb. for original containers.

CITRONELLA. — Ceylon, spot, 6s. 6d. shipment, 6s. 3½d. per lb., c.i.f. Formosa spot, 6s. 6d., in bond; shipment, 6s. 4d., c.i.f.

COD-LIVER. — B.P. is 11s. 6d. per gal in charged returnable drums. Veterina is from 9s. 6d. per gall.

CUBEBS.—Small spot supplies of import are 65s. per lb.; English, 90s.

EUCALYPTUS.—Australian 70 and 75 per cent. eucalyptol on the spot is 5s. 3d. per lb. 80–85 per cent., 5s. 6d. Spanish (70–75 per cent. spot. Chinese 3s. to 3s. 6d., duty paid.

GINGERGRASS.—Spot 27s. 6d. per lb.

JUNIPER. — B.P.C. 1949 oil is from 12s. 6d. per lb. on the spot. English distilled, 180s. JUNIPER WOOD, from 5s. 6d. to 6s. 6d.

LAVENDER SPIKE.—Spanish, 13s. 9d. per lb. for original drums.

LEMONGRASS. — Spot, 13s. 3d. per lb. and shipment, August–September, 12s. 6d., c.i.f.

NUTMEG.—Imported B.P. oil is 90s. per lb. English-distilled 100s.

ORANGE.—Spot quotations of sweet include Floridan at 3s. 6d. per lb.; West Indian, 4s. 6d.; Israeli, 7s. 6d.; Californian, 5s. 3d. to 7s. 6d.

OTTO OF ROSE.—Bulgarian, 400s. per cwt.

PALMAROSA. — Spot, 36s. 6d., per lb. 34s., c.i.f.

PENNYROYAL. — Spot, 12s. 6d. per lb. duty paid.

PEPPERMINT. — *Arvensis*: Chinese spot cleared, Brazilian, 16s. per lb. spot a shipment, 16s., c.i.f. *Piperita*: Italian "Mitcham-type" from 42s. 6d. to 48s. 6d. American, 25s. to 30s., as to origin.

PIMENTO. — English-distilled berry 167s. 6d. per lb.; imported, 77s. 6d. Rectified leaf, 27s. 6d. per lb. for small lots.

ROSEMARY.—Spanish is 7s. 6d. per lb. on the spot for best quality.

RUE.—Spanish is 25s. per lb. spot.

SANDALWOOD.—Mysore and East India 140s. to 145s. per lb.

SPEARMINT.—American oil from 50s. per lb. Chinese, 45s., c.i.f.

YLANG YLANG.—Spot, 37s. 6d. per lb.

## UNITED STATES REPORT

NEW YORK, AUGUST 23: Import of NICOTINIC ACID declined to \$3.85 kilo, down 15 cents, while import of NICOTINAMIDE dropped to \$5.90, down 10 cents. Lower per lb. were THEOBROMINE at \$4, down 50 cents, and THEOPHYLLIN at \$3.15, down 10 cents. CRUDE IODINE was advanced by a domestic maker to \$1.10 a lb., up 15 cents. PODOPHYLLUM (*peltatum*) was up 10 cents at 40 cents per lb. Higher per lb. among ESSENTIAL OILS were CHENOPODIUM at \$4.75, up 50 cents, and PACHYSAURUS at \$6.50, up 25 cents. Lower per lb. were SPEARMINT, cut down in shade daily declines to \$5 from an earlier \$8.50; BOIS DE ROSE, \$1.70, down five cents and distilled LIME, \$5.75, down 25 cents.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

“Cut Price” Baby Foods

SIR,—I wish to draw the attention of chemists to the fact that while Messrs. Heinz are using the pages of the pharmaceutical Press to appeal for support from chemists, they are not only reducing their discounts but also appear to be distributing their baby foods through grocers selling at cut prices. It will obviously be advisable for every chemist to be circumspect in his handling of Heinz baby foods until the manufacturers have demonstrated that they are prepared to make sufficiently safe and profitable for him to do so.

T. W. BARNACLE,  
Coventry

Fees and Discounts

SIR,—I am interested in the attempts being made by the Pharmaceutical Society and in many members' letters to reduce and improve the status (and money rewards) of our profession. We managed to get ourselves into the National Health Service at a price nobody else would want (and which we are not getting yet), with no increase in wages in twelve years. We shall probably take a cut without much protest. Through circumstances beyond our control, I have drifted into becoming a photographic chemist, and since we have up N.H.S. work have more than made up the loss. I, of course, think it requires more skill to load cassettes, understand the various makes of camera, film speeds, and colour film processes than to scrape the label off the best proprietary that a medical representative has persuaded the local doctor to prescribe. In the course of my business I meet doctors, solicitors, architects, surveyors, etc., who will spend an hour or two consulting me about buying a camera or projector, and then come to me for professional discount on the goods. No thought, you will notice, of paying me for my advice or time because I keep a shop and sell goods. The fit on the goods is supposed to be sufficient to cover that (a good point for maintenance here, National Pharmaceutical Union please note). I contacted a firm about altering my front. They asked me to pay an upfront £15 15s. for a drawing to be submitted to the local Council. About an hour's work, no professional account, and a glorified copy of what I gave him showing him what I required. How long does it take a chemist to earn £15 15s. in dispensing? How much longer does it take to become an architect than a chemist? How much more expensive is the thing? If we find the answers to those questions, we may find one answer to the lack of entrants into pharmacy and the alacrity with which they are leaving after qualifying.

N.H.S. RESIGNEE

—Since writing the above, I hear doctors are to get £6 a week rise. The rise we had was 0.07d. container wance.

Elegance—Past and Present

SIR,—Xrayser made a reference recently in *Topical Reflections* (C. & D., July 9, p. 33) to the elegance of presentation of modern pharmaceutical products. Is it seriously to be considered that the multi-coloured tablets and artificial-flavoured products of our modern chemical factories compare favourably with the silvered polished pills, elegant cachets and capsules, and mixtures compounded with freshly prepared infusions, of a well-conducted pharmacy of 100 years ago? Or that modern packages match those old labels, in copper-plate writing, and bottles corked, sealed with red sealing wax or capped and carefully wrapped in the best white demy. By comparison with the elegance, the courtesy and the craftsmanship of those old practi-

tioners in medicine or pharmacy, everything today appears cheap, tawdry and artificial.

OLD-TIME CHEMIST

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Wednesday, August 31

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Cardiff, Annual meeting, Until September 7.

LONDON CHEMISTS' GOLFING SOCIETY, Finchley golf club, Visitors' day.

Thursday, September 1

SOUTH-EAST LONDON CHEMISTS' ASSOCIATION, Visit to Edward Sharp & Sons, Ltd., Godden Green. Meet at Hanover Park, Peckham, at 1.30 p.m.

Advance Information

MANCHESTER SECTIONS, ROYAL INSTITUTE OF CHEMISTRY and SOCIETY OF CHEMICAL INDUSTRY (and fine chemicals group), Tenants Hall, Imperial Chemical Industries, Ltd., pharmaceuticals division, Alderley Park, Ches, at 2 p.m., on September 30, Symposium on "Drugs for the Treatment of Hypertension."

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for July was 209.6

Cost		Item	16 oz.	4 oz.	1 oz.	1 dr.
d.	per		s. d.	s. d.	s. d.	s. d.
69	500 gm.	Ammon. bromid. ... ..	—	2 3	0 8	0 1
36	500 gm.	Applicat. dicophan., B.P.C. ...	—	1 2	0 4	0 1
57	25 gm.	Barbitonum, B.P. '53 R only	—	—	—	1 1
53	25 gm.	Barbitonum sodium R only	—	—	—	1 1
53	25 gm.	Bismuth. subgallas, B.P. '53 ...	—	—	7 6	1 1
139	500 mils	Elixir casc. sagr. ... ..	—	4 6	1 4	0 2½
106	500 mils	Ext. casc. sagr. liq. ... ..	—	3 5	1 0	0 2
32	25 mils	Ext. hyoscyam. liq. P.I. (9)	—	—	4 6	0 8
57	25 gm.	Ext. nuc. vom. sicc. S.I. (5)	—	—	—	1 2
45	500 gm.	Mucilago acaciae, B.P. '53 ...	—	1 8	0 6	0 1
33	1 oz.	Neb. isoprenalin. sulph. co. ...	—	—	4 2	0 7½
65	25 gm.	Ol. cari, B.P.C. ... ..	—	—	—	1 3
39	500 gm.	Ol. cocois, B.P.C. '49 ... ..	—	1 3	0 4½	—
41	5 gm.	Papaverin. hydrochlorid. S.I. (4)	per	grain	0 1	—
54	500 mils	Pig. magenta, B.P.C. ... ..	—	1 9	0 6½	0 1
56	100 gm.	Piper. alb. pulv. ... ..	—	—	2 4	0 4
50	100 gm.	Piper. nigr. pulv. ... ..	—	—	2 2	0 3½
51	500 gm.	Plumbi acetat P.I. (8)	—	1 8	0 6	0 1½
114	500 gm.	Pulv. rhei co., B.P. '53 ... ..	—	3 8	1 1	0 2
102	500 gm.	Pulv. stramon. co., B.P.C. '49 ...	—	3 3	1 0	0 1½
24	500 gm.	Quassia incis ... ..	2 9	0 9½	0 3	—
222	500 gm.	Rheum pulv. ... ..	—	—	2 2	0 3½
192	500 gm.	Sennae fruct. Alex. ... ..	—	6 2	1 10	—
69	25 gm.	Theobromin., B.P.C. ... ..	—	—	—	1 5
165	250 gm.	Ung. gallae c. opio S.I. (5)	—	—	3 2	0 5

Cost		Tablets, retail (in containers)	25	100
d.	per		s. d.	s. d.
288	1000	Aloin. co., B.P.C. ... ..	S.I. (5)	1 8 5 1
171	1000	Ammon. chlorid., gr. 7½ e/c ...	—	1 3 3 5
93	1000	Amphethalin. sulph., 5-mgm. ...	S.I. (4)	0 11 2 3
108	1000	Aneurin co., B.N.F. ... ..	—	0 11½ 2 6
210	1000	Caffein. citras. gr. 2 ... ..	—	1 4 3 11
396	1000	Carbromal. gr. 5 ... ..	—	2 1 6 8
132	1000	Cascarae sagr. ext., gr. 2 ... ..	—	0 11 2 5
360	1000	Cascarae sagr. ext., gr. 5 ... ..	—	1 8 5 3
300	1000	Cascarae co., B.P.C. ... ..	P.I. (13)	1 8 5 3
54	100	Cyclobarbiton., gr. 3 ... ..	S.I. R only	2 7 7 11
384	1000	Dover's, gr. 5 ... ..	S.I. (6)	2 0 6 6
34	100	Folic acid 5-mgm., B.P.C. ... ..	—	1 10 5 0
96	1000	Grey powder, gr. ½ ... ..	—	1 0 2 3
138	1000	Grey powder, gr. 1 ... ..	—	1 1 2 11
300	1000	Isoprenalin. sulphas, 10-mgm. ...	P.I.	1 8 5 3
772	1000	Pyridoxin., 10-mgm. ... ..	—	3 5 12 1

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST Poisons Guide.

## WORLD TRADE

**Phenol Plant for Netherlands.**—Dow Chemical Co.'s international division in New York recently announced that it would build jointly with a Dutch firm a \$10,600,000 plant in the Netherlands to produce phenol. The plant will be owned jointly by Dow Chemie, A.G. (Dow's Swiss subsidiary) and Staatsmijnen, a Dutch chemical concern in Limburg.

**Dutch Perfume Compounds for Mexico.**—The Dutch firm, N.V. Chemische Fabriek "Naarden," has established a subsidiary company in Mexico under the title of Naarden de Mexico, S.A., to manufacture flavours and perfume-compounds for Mexican industry. In addition arrangements have been made for the production of benzoic acid and sodium benzoate in co-operation with Salicilatos de Mexico, S.A.

**Insecticides in Portuguese Africa.**—Insecticides are now manufactured in Portuguese East Africa on a limited scale at a small factory in Lourenço Marques. Other insecticides are being imported in bulk and the products packaged locally. Total imports from all sources into Mozambique in 1958 were 761,691 kilos, valued at £127,075. During 1958, 503,481 kilos valued at £78,512, were imported from the Union of South Africa, against 342,702 kilos valued at £56,913 during 1957.

## TELEVISION

Figures in the columns represent number of appearances of the product during the week.

September 4-10

	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster
Alka-Seltzer ..	—	1	2	1	2	2	1	1	1
Anadin ..	2	2	—	4	7	1	—	4	—
André Philippe men's range ..	—	1	—	—	—	—	—	—	—
Anne French ..	1	—	—	—	—	—	—	—	—
Askit ..	—	—	—	—	—	—	—	—	7
Aspro ..	2	3	6	3	13	5	4	3	—
Beecham's pills ..	3	1	2	—	—	—	—	1	—
Beecham's powders ..	4	3	—	3	—	—	—	—	—
Bisodol ..	—	5	5	—	2	6	—	—	—
Cooper's aerosols ..	2	2	2	2	2	2	1	2	1
Cuticura ..	2	2	2	—	14	—	—	2	—
Delsey ..	1	3	4	—	3	2	—	3	3
Dristan ..	—	1	—	—	—	—	—	—	—
Eno's Fruit Salt ..	4	2	2	3	2	3	—	2	2
Euthymol tooth-paste ..	1	1	1	—	1	1	—	—	—
Evan Williams cream shampoo ..	3	3	3	—	3	3	3	—	—
Flit aerosol ..	5	5	5	4	4	4	4	4	4
Germolene ..	2	4	4	—	3	3	—	3	3
Immac ..	—	1	—	—	—	—	—	—	—
K2r spot remover ..	—	1	—	—	—	—	—	—	—
Klik ..	—	2	—	—	3	—	—	—	—
Lanospray ..	2	2	2	2	2	2	2	2	2
Max Factor creme puff ..	3	3	3	2	2	2	2	2	2
Medac ..	3	2	—	—	—	—	—	—	—
Mix-A-Shake ..	—	—	—	—	3	—	—	—	—
Phosferine ..	—	2	2	—	—	—	—	—	—
Phyllosan ..	—	1	1	—	1	1	—	1	—
Radox ..	—	—	—	—	—	—	—	2	—
Rimmel ..	1	1	3	1	—	1	1	1	—
Rinstead pastilles ..	1	1	1	1	1	1	1	1	1
Rivella ..	—	1	—	—	—	—	—	—	—
Sebbix shampoo ..	3	3	3	2	2	3	—	2	2
Sek ..	—	1	—	—	—	—	—	—	—
Setlers ..	4	3	2	—	2	2	—	—	—
Spontex car sponges ..	3	—	—	—	3	—	—	—	—
Winspray products ..	—	2	—	—	1	—	—	—	—
Zal ..	3	3	6	2	2	2	2	2	2
Zoflora ..	3	—	—	—	—	—	—	—	—

## CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals

- of, *J. Amer. med. Ass.*, August 6.  
 WHAT'S IN A NAME? *J. Amer. med. A.* August 6.  
 GUANETHIDINE; clinical and pharmacology studies in the treatment of hypertension, *Lancet*, August 20.  
 BRETILUM TOSYLATE, comparison of, with guanethidine in treatment of severe hypertension, *Lancet*, August 20.  
 CONTAMINATION of fabrics, a contact-plate technique for determining bacterial counts, *Lancet*, August 20.  
 PENICILLIN B, observations on, *Lancet*, August 20.  
 HYDROCORTISONE by inhalation, *Lancet*, August 20.  
 LACTIC ACID, prospects for, *Manf. Chem.* August.  
 FILTRATION: recent advances, *Manf. Chem.* August.  
 DEPIHATORIES, perfumes for, *Manf. Chem.* August.  
 PHARMACEUTICAL INDUSTRY, 1958, *Drug and Cosmetic Ind.*, July.  
 SUPERMARKET versus drugstore, *Drug and Cosmetic Ind.*, July.  
 SIMPLE DIALDEHYDE (yields complex compound resembling strychnine and curare alkaloids), *Chem. Engng News*, August 8.  
 CHLOROPHYLL A, different routes to, *Chem. Engng News*, August 1.  
 STANNOUS FLUORIDE (blocks tooth decay), *Chem. Engng News*, August 1.  
 HIGH-VACUUM techniques, *Roy. Inst. Chem.* August.  
 3-METHOXY-CATECHOLAMINES, biological activity, *Science*, August 12.
- ENDOCRINES and the skin, *Med. Press*, August 17.  
 THE PITUITARY and adrenal cortex in general medicine, *Brit. med. J.*, August 20.  
 STILBOESTROL, PHENOBARBITONE, and diet in chronic duodenal ulcer, *Brit. med. J.*, August 20.  
 DIABETES MELLITUS, non-clostridial gas infections in, *Brit. med. J.*, August 20.  
 TINEA PEDIS, studies in the epidemiology of, *Brit. med. J.*, August 20.  
 PREPARATIONS other than iron for the treatment of anaemia, *Brit. med. J.*, August 20.  
 IOPHENOXIC ACID and serum-bound iodine values, *J. Amer. med. Ass.*, July 23.  
 PHOTOBIOLOGICAL RESEARCH with reference to skin, *J. Amer. med. Ass.*, July 23.  
 SURFACTANTS. New developments in, *Soap and Chem. Specialities*, July.  
 AEROSOL CANS, corrosion of, *Soap and Chem. Specialities*, July.  
 VACCINES, PLASMA of, in control of parasitic bronchitis in cattle, *Vet. Rec.*, August 20.  
 COURTING THE PRESS, *J. Amer. med. Ass.*, August.  
 PHLOGISTON or atoms? *Nature*, August 20.  
 PYROGENS, *S. Afr. pharm. J.*, July.  
 PLANTS, chemical investigation of, *S. Afr. pharm. J.*, July.  
 BARK of *Anthocephalus indicus*, chemical study of, *Indian J. Pharm.*, July.  
*Acacia rugata*, antimicrobial activity of, *Indian J. Pharm.*, July.  
 TINCTURE Iacca, preparation and standardisation of, *Indian J. Pharm.*, July.  
 GRISEOFULVIN in dermatomycoses, *J. Amer. med. Ass.*, August 6.  
 IPRONIAZID AND CARBOXAZID, hypotensive effects

## PRINT AND PUBLICITY

## PUBLICATIONS

## Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.  
 GENATOSAN, LTD., Loughborough, Leics: "Framygen/Framycort Eye/Ear drops" (4-p. folder).  
 GLAXO LABORATORIES, LTD., Greenford, Middlesex: "Biotexin," "Crystapen G granules for syrup," "Crystapen V granules for syrup," "Cytamen," "Delta-Cortelan tablets," "Neobacrin ointment," "Neo-NaClex," "Prednelan-N injection" (information cards).  
 PHARMACEUTICALS (LONDON), LTD., 20 Gerrard Street, London, W.1: "Primodos" (blotter).  
 ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Biochemical Aspects of Men-

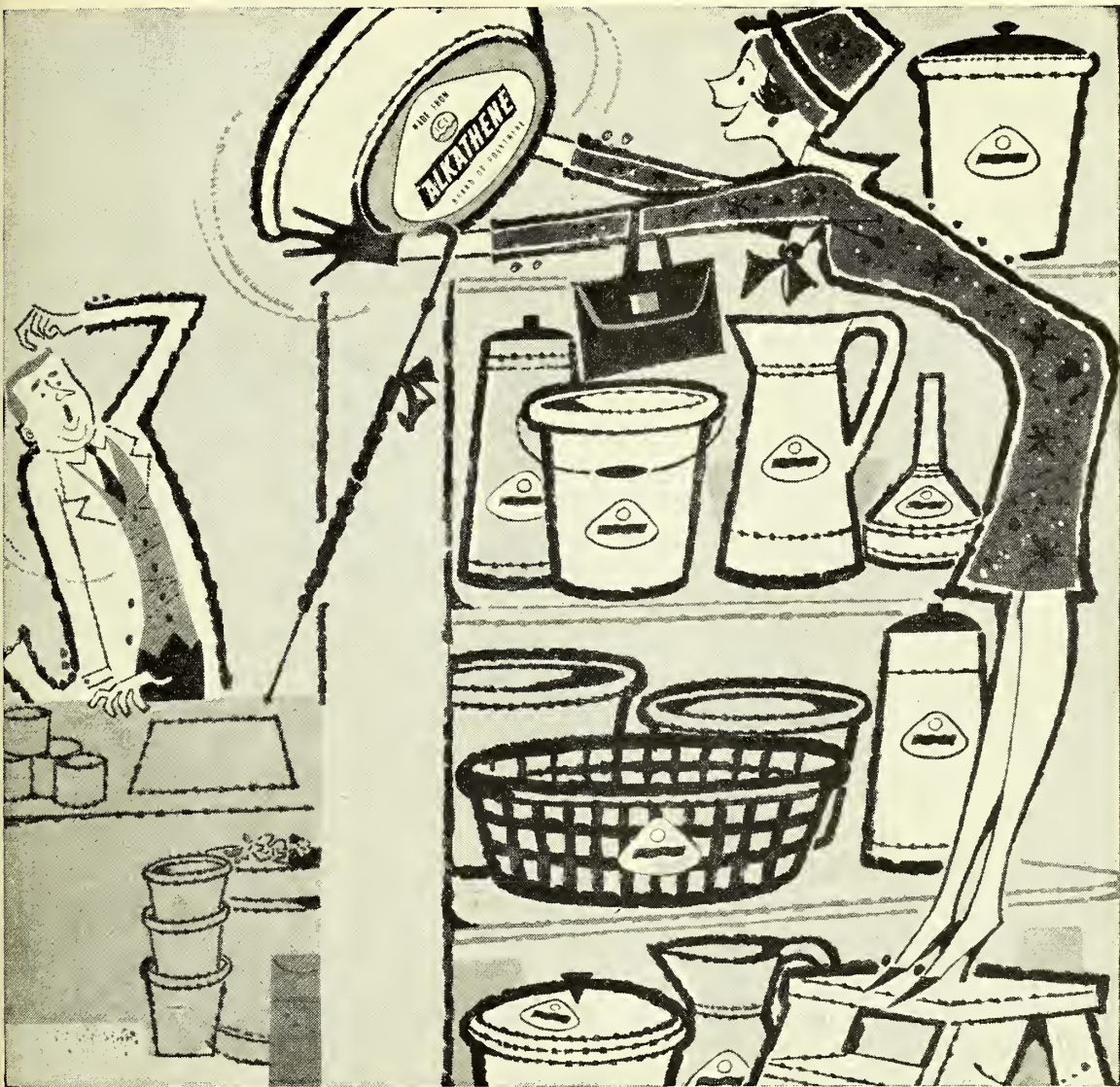
tal Disorders" (61-p. booklet), "A choice of two new drugs for angina pectoris" (6-p. folder), "Marplan," "Nitoman," "Tersavine" (information sheets), "Librium" (16-p. 8-p. booklets and abstracts), "Asteron" (Redoxon) (blotters).  
 VITAMINS, LTD., Upper Mall, London, W.6: "Diabetic Neuropathy" (8-p. booklet), "Pregnavite" (bookmark).



COUNTER DISPLAY UNIT: A compact (7½ x 6½ in.) new counter unit, holding soap, talc and bath cubes, that highlights the design of the new Camellia packs of J. C. & J. Field, Ltd., 52 Peru Street, Adelphi, Saltford, 3, Lancs. The unit will be available in September.



SELF-SERVICE DISPLAY UNIT: The "dispenser" for Atkinsons' Skin Deep beauty products is designed as both counter display and self-service unit. It has a stock replacement recess at the back, and the removable display card at the top is strutted for separate use. The pink, black and white unit, of chipboard construction, is made by the paper products division of Bowater Packaging, Ltd. Each unit sent out to retailers complete with stock, ready for immediate display, by J. & E. Atkinsons Ltd., 24 Old Bond Street, London, W.1, in our containers made by Messrs. Bowaters' fibre container division.



# She always looks for the 'Alkathene' label

EVERY MONTH, millions of women see whole colour page 'Alkathene' advertisements in leading women's magazines. Each carries nine illustrations of articles made from 'Alkathene' plus the strong message—"Look for the 'Alkathene' label". Your customers know that the label is a sign of top quality.

To meet the growing demand, make sure you have plenty of goods labelled 'Alkathene'. Display them well and get the full sales benefit of this vigorous publicity drive.

### FREE DISPLAY MATERIAL TO BOOST YOUR SALES

It's well worth your while to link up with 'Alkathene' advertising. You can obtain hard-selling, free display material through your usual trade channels or direct from Publicity Dept., Plastics Division, Imperial Chemical Industries Ltd., Welwyn Garden City, Herts.



*'Alkathene' is the registered trade mark for the polythene manufactured by I.C.I.*

IMPERIAL CHEMICAL INDUSTRIES LIMITED • LONDON • S.W.1



# A new fast-selling **Color-Glo** series the **Sherry Shades**

**Dark-Brown Sherry  
Brown Sherry**

**Amber-Brown Sherry  
Light Sherry**

These fascinating brown to amber shades, with such appealing and descriptive names, are certain to be enormously popular with all the thousands of women who want to improve and enrich the natural colour of their hair, without giving their hair an auburn or chestnut tone.

**In addition, the Sherry Shades will conceal, absolutely naturally, a woman's early unwanted grey hairs.**

The Sherry Shades are as simple to use as Standard Color-Glo, and the effects last through 6-8 shampoos.

**The Sherry Shades will have their own separate advertising campaign in full colour starting on September 14th.** This campaign will be in addition to the heavy promotion of the existing nine popular Color-Glo shades, which will continue at its present high level.



## **Color-Glo Sherry Shades**

**Order a full range of  
the Sherry Shades now**

Price 23/- per dozen bottles plus tax. Retail 3/10 p

Your wholesaler has supplies or you can order direct

# Nation-wide full colour advertising campaign for the **Color-Glo Sherry Shades** starts **SEPTEMBER 14th**

in

**WOMAN**

**DATE**

**HONEY**

**WOMAN'S OWN**

**WOMAN'S REALM**

**WOMAN'S MIRROR**

Bright, eye-catching advertisements featuring the attractive Sherry Shades head as illustrated on the cartons, will dominate the pages of the most widely-read women's magazines.

This impressive advertising campaign is sure to produce an immense demand.

If you are still hesitant about Hair Colouring here's exciting news for you...

The New **Color-Glo Sherry Shades**

Are you brown-haired or fair, and still hesitant about hair colouring? If you are, here is really exciting news. These are the very best for you, created, in fact, especially for you. The new romantic Sherry Shades—Dark-Brown Sherry, Brown Sherry, Amber-Brown Sherry, Light Sherry—names that in themselves suggest beautifully coloured hair, and the usual lands where sherry is born. Without making your hair auburn or chestnut, the Sherry Shades blend into it a richer, livelier, lovelier colour, without really giving your own true shade. Yet your hair will have all the colour—own-to-amber richness, all the brightness and sparkle, you see in a glass of sherry. You will look altogether lovelier; be a more alive you.

may we whisper a secret? If you have a few unwanted ear-tails a Sherry Shade will conceal them absolutely naturally.

safe controlled colour lasts through 6 to 8 shampoos

When washing with color-glo guards the final effects, it's just the right amount of colour that will beautify your hair shade. If you don't have to 8 your favourite shampoo for a few minutes off. It's as simple as rain-proof, will last as long as you like.

So Easy to Apply  
Simply sprinkle Color-Glo direct from the bottle on to shampooed hair and lather up, then wait for just a few minutes before rinsing off.

Use this chart to choose the Sherry Shade best suited to your natural hair colour

Natural Hair Colour	Result
On Dark Brown to Brown choose <b>Dark-Brown Sherry</b>	A luminous brown-to-dark brown, with the lovely tones of Dark Brown Sherry.
On Brown to Mid-Brown choose <b>Brown Sherry</b>	Nut Brown overtones with Dark Amber glints.
On Light Brown to Dark Blonde choose <b>Amber-Brown Sherry</b>	Delightful light Amber-Brown overtones.
On Blonde to Light Blonde choose <b>Light Sherry</b>	Ton-

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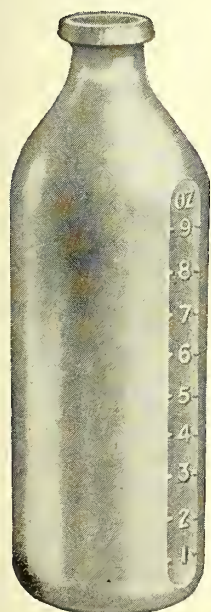
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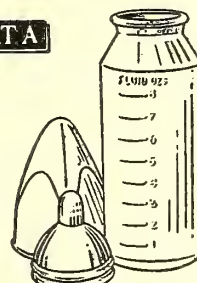
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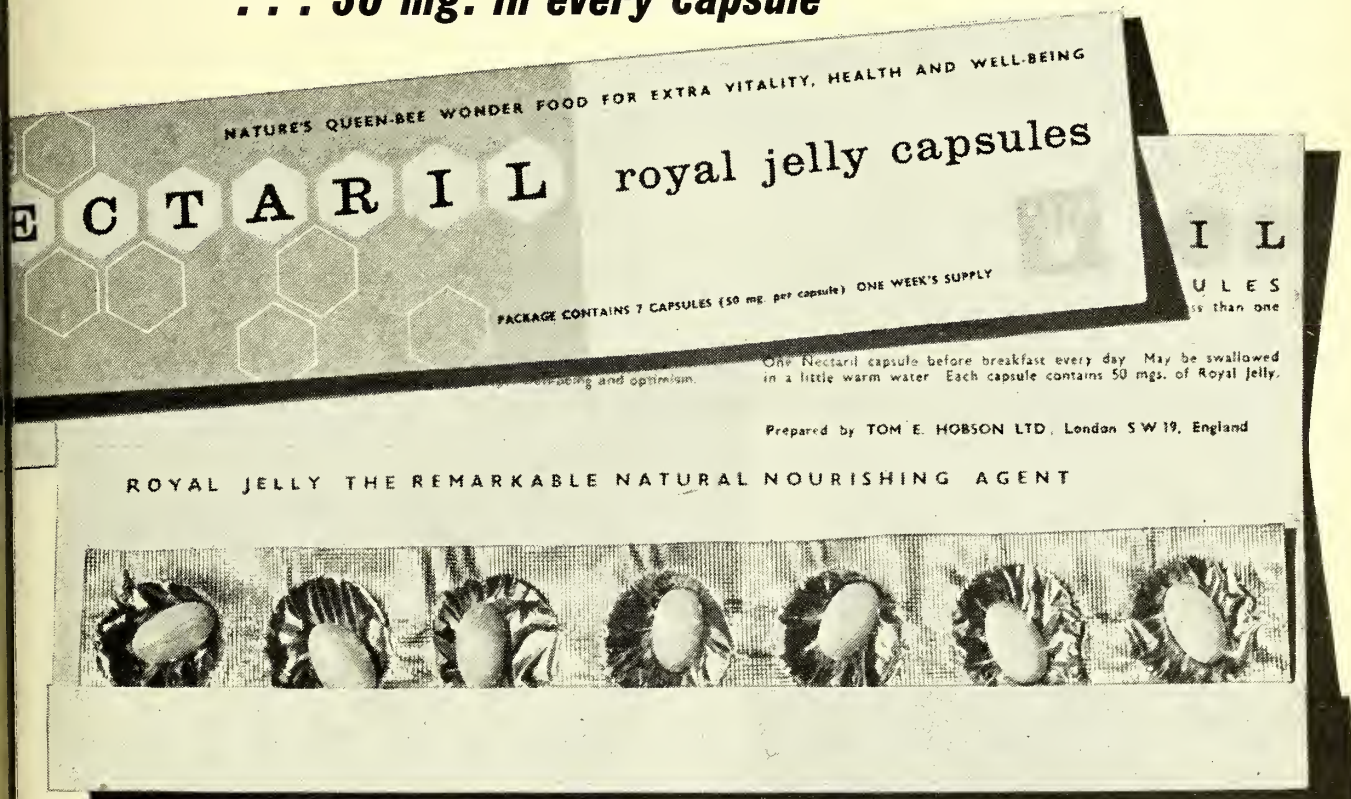
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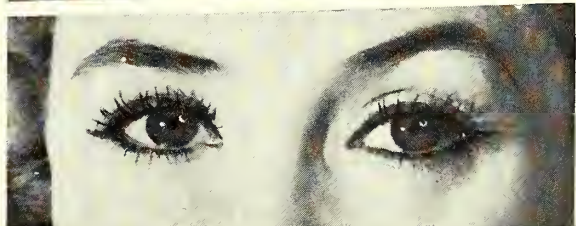
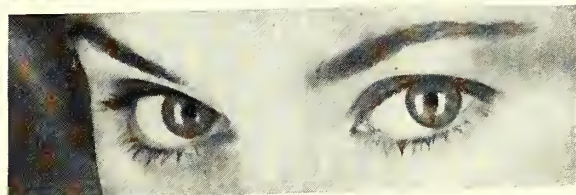
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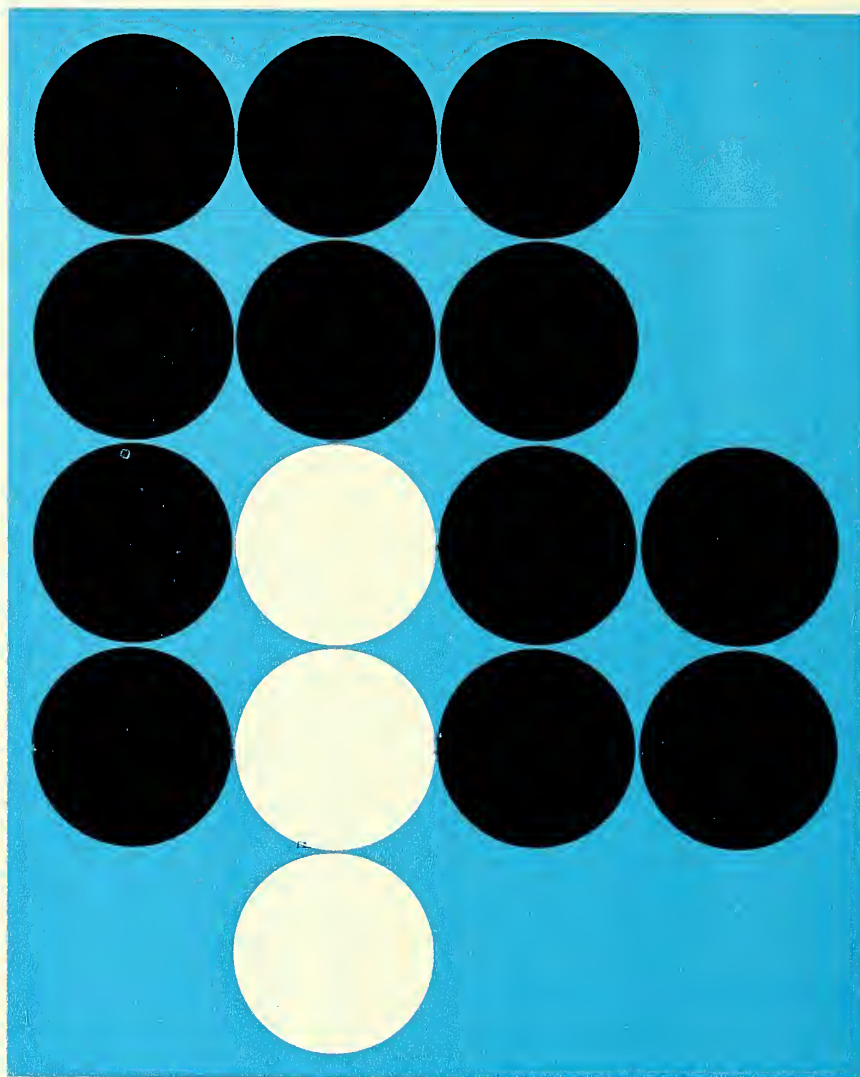
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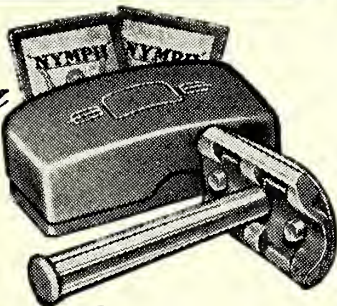
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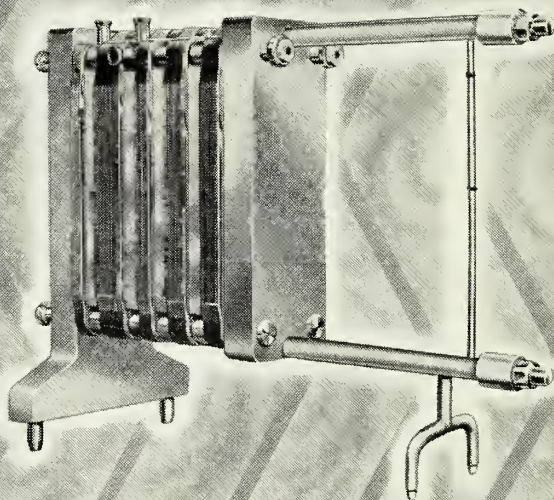
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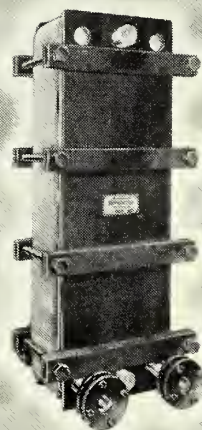
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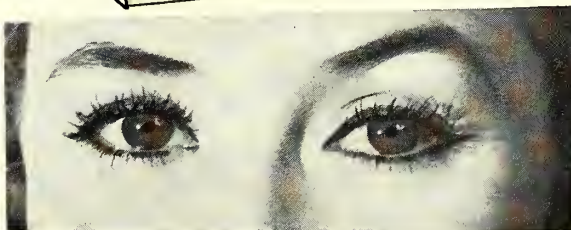


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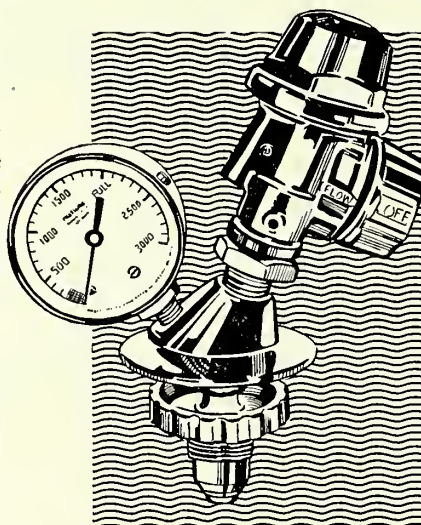
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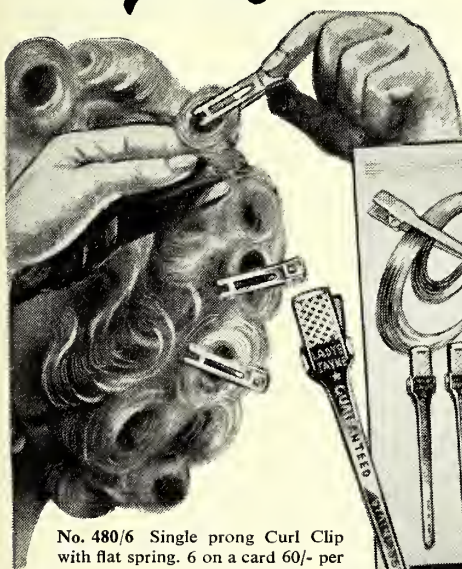
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Manufacturers: LAUGHTON & SONS LTD., WARSTOCK ROAD, BIRMINGHAM 14



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**we selling for YOU!**



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 60 x 44 £6 11 0 (£5 11 0 plus 20/- P.T.)

All Wammabed electric blankets are fitted with neon glow

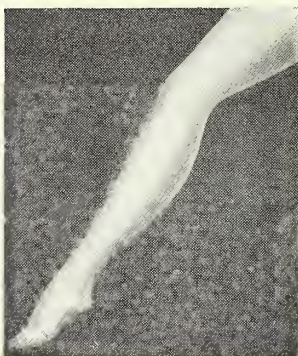
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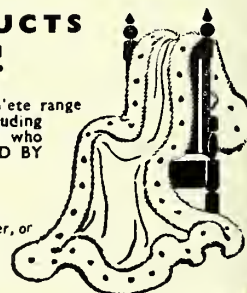
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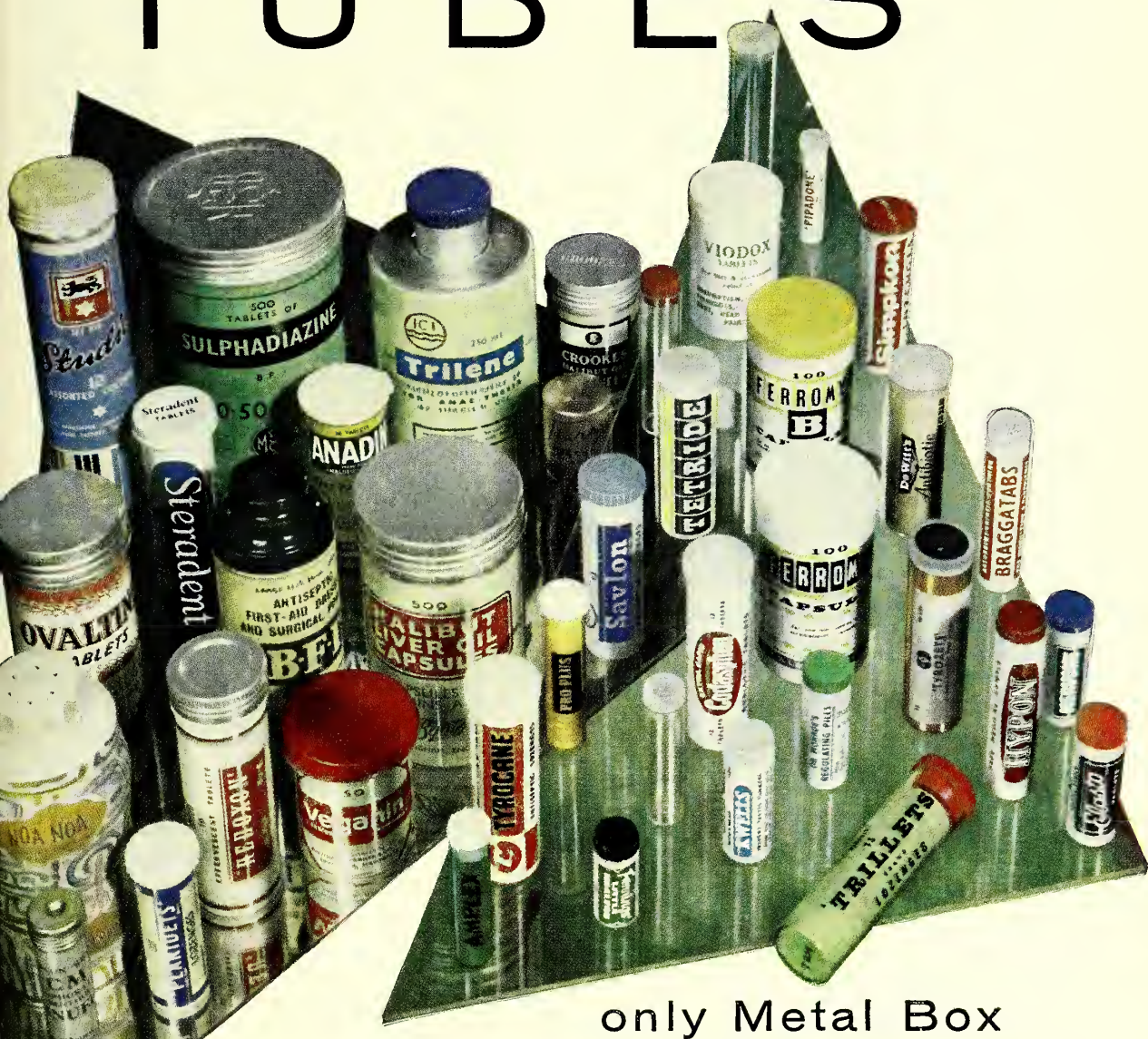
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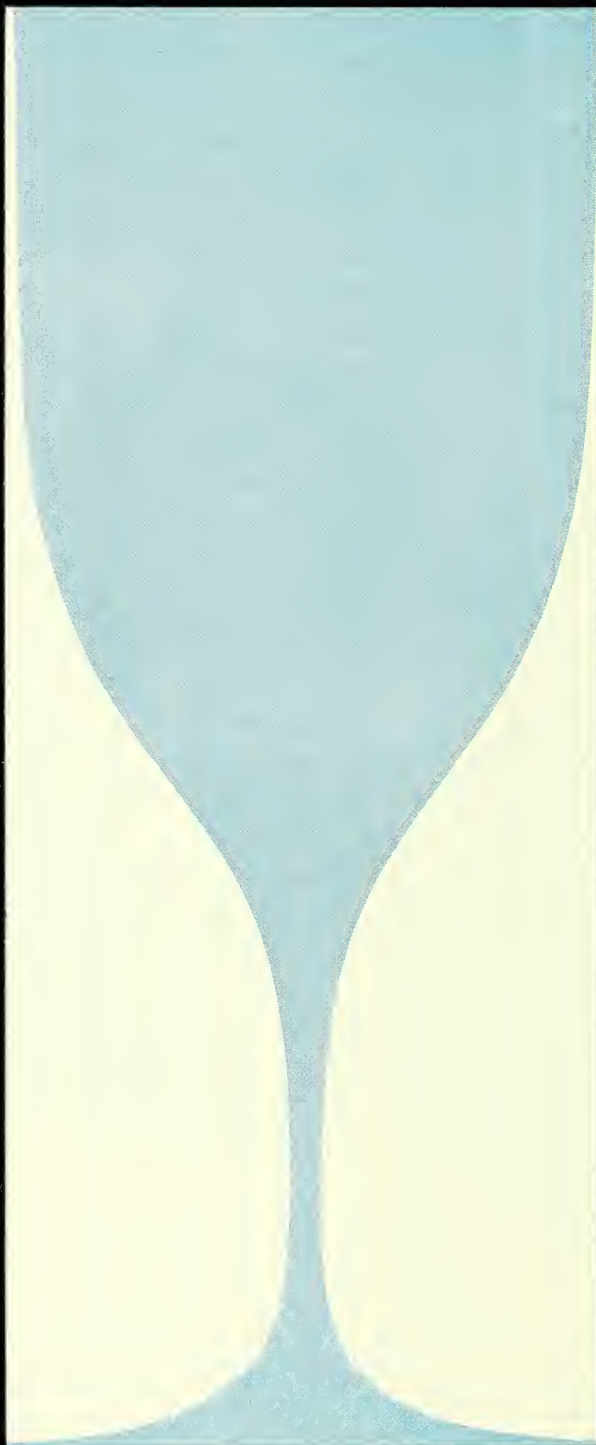
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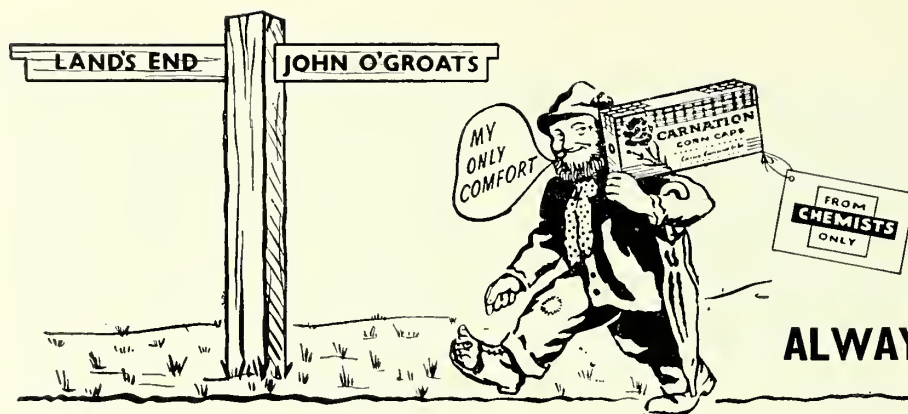
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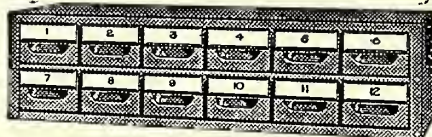
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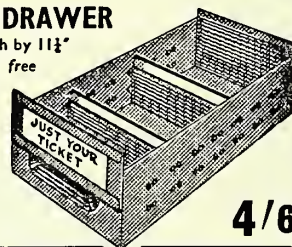


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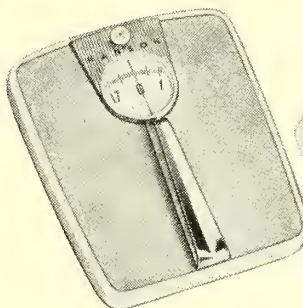
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**THE OTAGO HOSPITAL BOARD,  
DUNEDIN, NEW ZEALAND**

Assistant Pharmacist

APPLICATIONS are invited from Pharmacists for a position in the Pharmacy Department of The Otago Hospital Board.

The salary will be within the scale £780—£900 per annum, in accordance with the New Zealand Hospital Boards' Pharmacists' Agreement. The commencing rate will be determined in accordance with the appointee's qualifications and experience.

Travelling expenses to New Zealand will be paid in accordance with the information contained in the Conditions of Appointment which may be obtained from the Office of the High Commissioner for New Zealand, 415 Strand, London, or from the undersigned.

Dunedin Hospital is one of the four main Hospitals in New Zealand and has 400 beds. A subsidiary General Hospital with 257 beds, situated at Wakari, approximately three miles from Dunedin Hospital, is administered in conjunction with Dunedin Hospital.

Applications, stating age, qualifications and experience, together with testimonials, Health and Chest X-ray Certificates will be received by the undersigned until 10 o'clock a.m. on Monday, 7th November, 1960.

Secretary, W. A. Williamson,  
P.O. Box 946, Otago Hospital Board,  
Dunedin, NEW ZEALAND. C 5785

**SITUATIONS VACANT****RETAIL (HOME)**

**BIRMINGHAM.** Pharmacists required. Opportunity to use and increase their business experience. No book work. Good basic salary, dispensing bonus, adjustment of salary in relation to sales, standard hours. **LOCUM PHARMACIST** also required for holiday relief work. Applications to Superintendent Chemist, The Birmingham Co-operative Chemists, Ltd., 422/424 Coventry Road, Birmingham, 10. C 3132

**GUILDFORD.** A vacancy will shortly be available for a lady in the pharmaceutical or cosmetic department of an old-established business. An interview can be arranged at any time convenient to the applicant and all travelling will be refunded, Box C 3134.

**HORNSEY.** Chemists require experienced lady assistant, mainly for dispensing. Good salary, normal hours, Thursday half-day, plus one free Saturday in three, Broad, 93 Tottenham Lane, Hornsey, N.8. Phone: Mou. 1647. C 3136

**OLDHAM CO-OPERATIVE CHEMISTS, LTD.,** invite applications for the position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications giving age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

**WANTED OCTOBER 1960.** Dispenser/Secretary for Rural Practice in North Lines, Box C 3131.

**RETAIL (OVERSEAS)**

**NORTHERN RHODESIA.** Pharmacist, single gentleman, required for retail. Passage paid out, good prospects. Reply with full details to: Mr. R. L. Jackson, P.O. Box 183, NDOLA, N. Rhodesia. C 3135

**WHOLESALE****EVANS MEDICAL (MIDLANDS)  
LTD.**

require Male Stock-keeper/buyer for warehouse. Some experience of drugs, chemicals or sundries desirable, but full training will be given. (Female would be considered if right experience.)

Write:— Managing Director,  
Stallings Lane,  
Kingswinford,  
BRIERLEY HILL,  
Staffs. C 5806

**LOFTHOUSE & SALTNER, LTD.,**

Manufacturing Chemists,  
HULL

have a vacancy for a young, male Pharmaceutical Chemist in their Laboratory.

This permanent position offers scope for advancement to an enthusiastic Pharmacist who wishes to join a progressive provincial Company with a view to eventual managerial status.

Non-contributory pension scheme; good salary and holidays. Apply, in writing in the first instance, to:—

Managing Director,  
Lofthouse & Saltner, Ltd.,  
Leonard Street, Hull. C 5801

**REPRESENTATIVES** required by nationally well known toilet company for central and north London territories. Only first-class men need apply. Good salary, commission and expenses, car owners preferred. Box C 5813.

**SCOTT & BOWNE, LTD.,**

have a vacancy for a representative in the Welsh area based on South Wales. Remuneration is by salary and commission, all expenses paid and car provided. Pension scheme. Experience of the pharmaceutical and toilet trade in the area a great asset. Apply in writing giving details of age and selling experience to the

Sales Director,

Scott &amp; Bowne, Ltd.,

50 Upper Brook Street,  
London, W.1. C 5815

**THE DISTILLERS COMPANY  
(Biochemicals) LIMITED**

Applications are invited from men up to 45 years of age with the appropriate experience for the position of

Medical and Pharmaceutical  
Representative

The vacant territory covers

**NORTH WALES and part of  
CHESHIRE**

The successful applicant should preferably speak Welsh and should reside in or near Chester.

A pharmaceutical qualification is desirable.

The initial salary will be commensurate with experience and qualifications. A car is provided and all legitimate expenses met. A non-contributory pension scheme is in operation. Applications in writing should be addressed to:—

The Home Sales Manager, Broadway  
House, The Broadway, Wimbledon,  
London, S.W.19.

Correspondence should be marked

"CONFIDENTIAL." C 5792

**THE BRITISH DRUG HOUSES, LTD.,** require a male pharmacist as assistant to the manager of the pharmaceutical laboratory in which bulk liquids, ointments, powders, etc., are manufactured. The post offers a good opportunity for a person wishing to pursue a career on the manufacturing side in the pharmaceutical industry. There is a superannuation fund (contributory) and the company operates life assurance and profit sharing schemes. Write, stating age, qualifications and experience to the Personnel Manager (Ref. W.K.W.). The British Drug Houses, Ltd., Graham Street, London, N.1. C 5786

**WELL-KNOWN TOILET PREPARATION** manufacturers in North London, require a Production Supervisor with engineering qualifications. Good prospects. Apply giving full details and salary required to Box A.C. 8952, Samson Clarke, 15-17 Marylebone Road, London, N.W.1. C 5804

**SITUATIONS WANTED****WHOLESALE**

**SALES REPRESENTATIVE (29)** requires sales appointment. Good sales record provable. Excellent connections, Kent, Surrey and Sussex, also South and Central London. Car owner. Domiciled South London. No ethical knowledge. Box C 3124.

**AGENTS WANTED**

**FIRST-CLASS AGENTS** required for the following areas: Wales and Midlands by progressive cosmetic company with fast-selling popular lines on the national market. Good retail connection an advantage. Generous commission on both retail and wholesale trading. Reply immediately with full details. Box C 5812.

**PROGRESSIVE** and expanding cosmetic manufacturer requires good representatives for London and Home Counties. Full or part-time. Numerous existing live accounts will be handed over to right men. Commission basis. Apply personally to Sidney Margolis, Ltd., Margo House, Hemp Row, S.E.17, or telephone Rodney 7461. C 3121

**SITUATIONS WANTED****WHOLESALE**

**GENTLEMAN**, 45, experienced compounder of all B.P., B.P.C., and B.N.F. preparations, etc., seeks position of responsibility where knowledge can be fully utilised in congenial and appreciative atmosphere. Residing London area. All propositions welcomed and acknowledged. Box C 3115.

**BUSINESS OPPORTUNITIES**

**MANUFACTURING CHEMISTS** having modern factory in West Midlands of over 3,000 sq. ft. area, prepared to make and market through existing sales force, good saleable lines. Wide variety of products considered. Apply Box C 3137.

**RUBBER BUNGS** in many standard sizes and quantities or to specification. Isco (Rubber), Ltd., 34/36 Somerford Grove, London, N.16. C 511

**WANTED**

**SURPLUS CAMERAS, ENLARGERS, CINE CAMERAS & PROJECTORS, PHOTOGRAPHIC EQUIPMENT OF EVERY DESCRIPTION, SURPLUS AND OUTDATED FILM & PAPER.**

Phone, write or call:—

**SPEARS**  
(Dept. D.), Watling Street, Shudehill, Manchester.

Phone: Blackfriars 9432 (5 lines)

Bankers: Midland Bank, Ltd.

C 438

**WE WILL PURCHASE** for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—  
Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11.  
Tel.: Bayswater 4020 and 7692. C 140

**PATENTS**

**PATENT NO. 734397.** Method of preparing a Therapeutic Agent Effective against Malaria. The proprietors of Patent 734397 desire to enter into arrangements by way of licence or otherwise on reasonable terms to ensure its full development and commercial working in this country. Address enquiries to: W. P. Thompson & Co., Chartered Patent and Trade Mark Agent, 12 Church Street, Liverpool, 1. C 3129

**STOCKTAKING**

**QUIET AND ACCURATE** workmanship. Over 30 years' practical experience. Detailed inventories supplied to suit your individual requirements. Your own stock sheets priced. Terms moderate. C. W. Playfoot, 8 Aylward Road, London, S.W.20. Phone: Liberty 4104. C 520

# Ghana Branch Manager

A leading Pharmaceutical Company invites applications from pharmacists to fill a progressive position as Manager of their new branch organisation in Tema. The successful applicant, within the age group 28/35, will have gained wide sales and administrative experience in the promotion of medical products for preference but experience in allied fields would be an advantage. A training course in the U.K. will precede the appointment. Applicants should submit full details of career and qualifications, together with a recent photograph, to Box C 5809.

## MERCK SHARP & DOHME INDIA LIMITED

seeks a Sales Manager aged 30 to 40, preferably married, with proven sales managerial and administrative experience in the ethical pharmaceutical field. The position reports directly to the British Managing Director of the Company located in Bombay. Only British or Commonwealth subjects presently occupying sales managerial or equivalent positions at the assistant sales manager level or above are invited to apply. Salary open and commensurate with experience and qualifications.

Candidates should send full personal particulars with photograph and date of availability to the Managing Director, Merck Sharp & Dohme Limited, Hoddesdon, Herts. C 5798

*Well known pharmaceutical company in Herts (17 miles from London) has a vacancy for a Production Chemist.*

*The successful applicant would be employed in the manufacturing and control of proprietary pharmaceuticals.*

*Commencing salary between £850-£950 according to qualifications. Financial prospects are good. Five-day week. This vacancy is particularly suitable for a young Pharmacist.* C 5802

## PRODUCTION CHEMIST IN HERTS

**MISCELLANEOUS SALES**

**BABY PANTS, 8/9 per Doz.**  
White Satin-finished Plastic.  
Large Size.  
Rose Scented.  
Elastic or Taped Legs.  
Samples on request.  
A. & H. Heyman,  
27 Grange Road, Darlington. C 3114

**CASH REGISTERS FOR SALE.** New and second-hand, electrically or hand-operated. Different models. Part exchange and easy terms. Write Box C 547.

**REDEVELOPMENT OFFER.** Wall fittings, counters, scales, glass showcases and other items for sale. View by appointment. TER. 7631. C 3139

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*Chemists' Transfer Agents and Valuers*

41 ARGYLE SQUARE, KING'S CROSS, W.C.1  
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VALUATIONS for all purposes  
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**MACHINERY WANTED**

WANTED. Good, used tableting machine,  
single punch or rotary. Used Bekon or Man-  
sty-type mixer. Used Q.P.-type homogeniser.  
Reply Box C 3130.

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THE TRADE MARKS set out below  
were assigned on the 16th May, 1960,  
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as concerns the right to the exclusive  
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export to all countries outside the  
United Kingdom but not including the  
Irish Republic, to Reckitt, Colman,  
Chiswick (Overseas) Limited of the  
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WILL OF THE BUSINESS IN  
WHICH THEY WERE THEN IN  
USE.

Regd. No.	Mark	Goods
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760922	FLORET	Disinfectants, deo- dorants and prepara- tions for purifying air.
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C 5807

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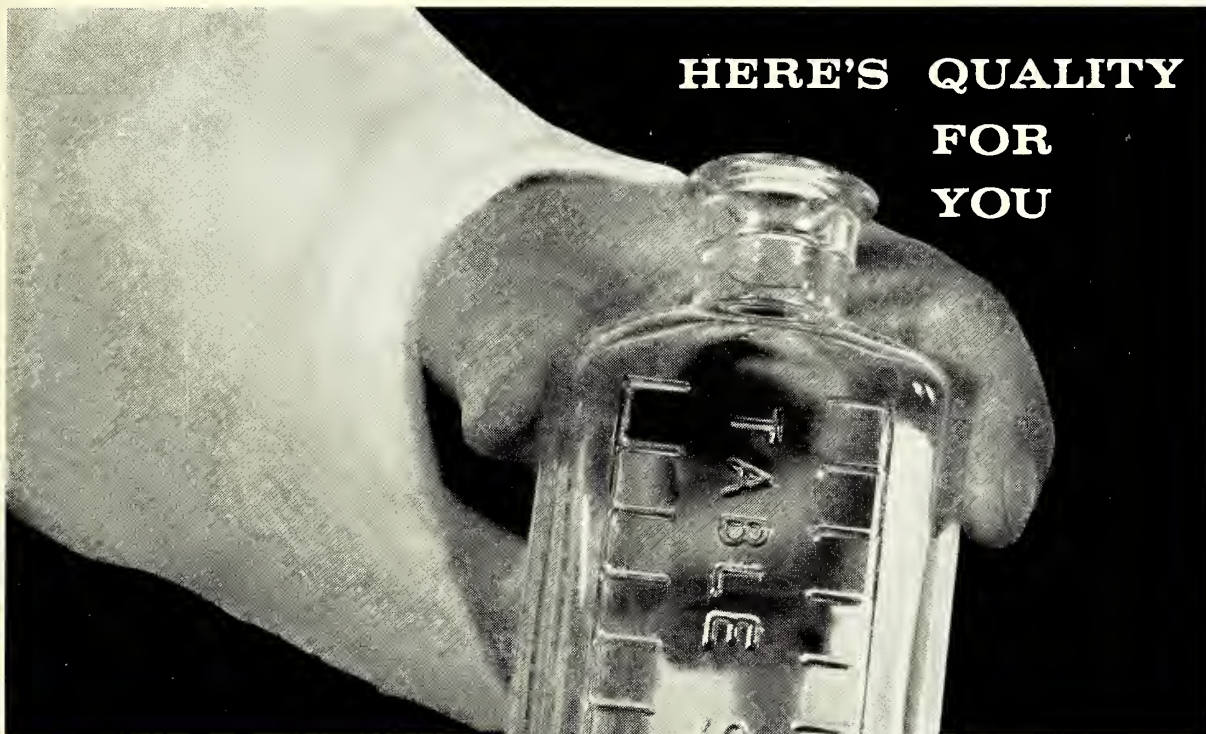
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**Armstrong-Warden Ltd., advertising agents for Richard Hudnut Ltd. Hair Preparations, apologise for the error that occurred in the advertisement for Richard Hudnut Shampoo with Egg, in "Woman," August 20, 1960, and "Woman's Own," September 3, 1960. The price for Richard Hudnut Shampoo with Egg bottle should have been 3s. 10d. and not 2s. 6d. They regret any inconvenience that may have been caused to Richard Hudnut's customers.**

**ARMSTRONG-WARDEN LTD.,  
ARMWARD HOUSE,  
69 NEW OXFORD STREET,  
LONDON, W.C.1.**



## Available from stock

### DISPENSING BOTTLES

1-oz. to 20-oz.

### RIBBED OVALS

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4-oz., 8-oz. and 16-oz.

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Tall and semi-squat

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1-oz. to 4-oz.

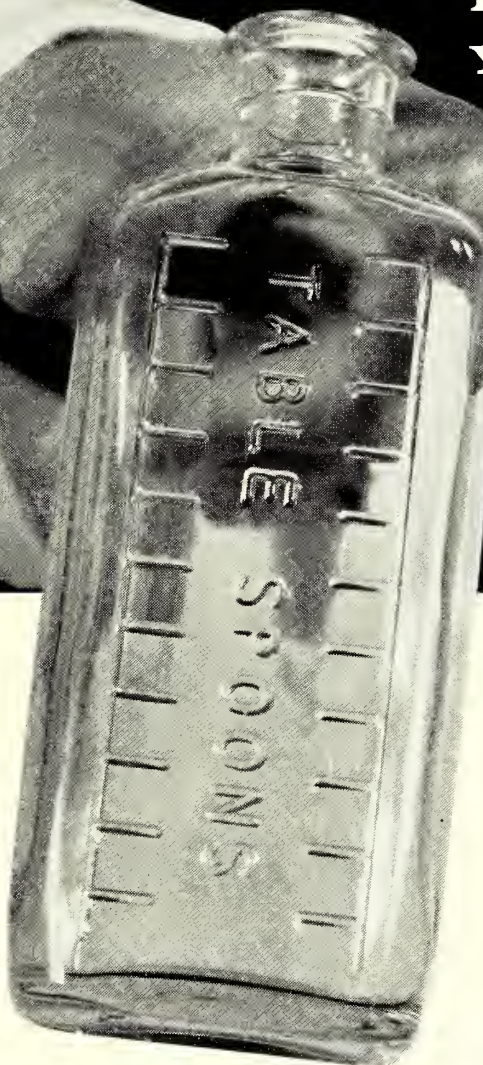
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### AMBER BOTTLES

We can now offer certain types of Glass Containers in Amber and your enquiries are invited.

WHOLESALE ONLY



## NATIONAL GLASS WORKS (YORK) LTD

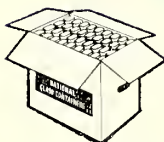
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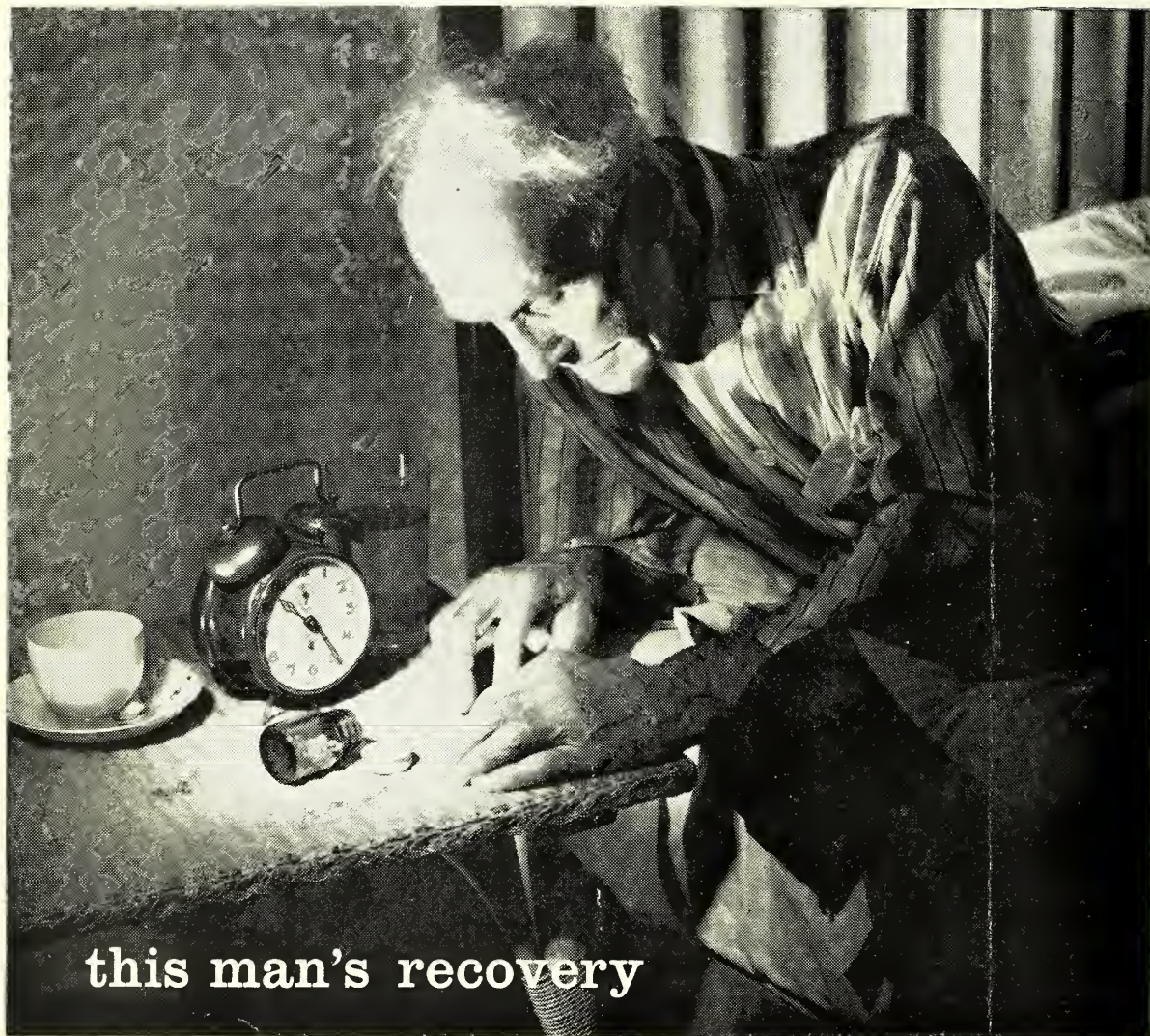


'NATIONAL' Glass Containers are packed in closed-top sealed dust free cartons which are easily handled.

Regd Trade Mark



AUGUST 27 1960



this man's recovery

may depend on the safety of 'Distaval'

How easy it is for the elderly, confused patient to ignore "the instructions on the bottle". And if the bottle contains a barbiturate—the patient may well be numbered among the growing volume of accidental poisonings recorded in this country each year. As a safeguard, more and more doctors are prescribing the sedative and hypnotic which is both highly effective and outstandingly safe. Its name—'Distaval'. Its special merit—side effects are uncommon, even when taken in gross overdosage.

**'DISTAVAL'**

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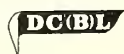
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As a hypnotic at bedtime.  
ADULTS: 50mg.—200mg.  
INFANTS AND CHILDREN:  
25mg.—100mg.

As a daytime sedative.  
ADULTS: 25mg. two to three times daily.  
INFANTS AND CHILDREN:  
Half to one 25mg. tablet, according to age, one to three times daily.

'Distaval' (25mg. tablets).  
'Distaval' Forte (100mg. tablets).

REFERENCES  
Practitioner, 1959, 183, 57.  
J. clin. exp. Psychopath., 1959, 20 243.  
J. Coll. gen. Pract., 1958, 1, 398.  
Brit. Med. J., 1959, 2, 635.  
Med. Wld. (Lond.), 1960, 93, 26.



THE DISTILLERS COMPANY (Biochemicals) LIMITED  
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